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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

SERVICE AND REGULATORY ANNOUNCEMENTS

OCTOBER-DECEMBER 1941

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QUARANTINE AND OTHER OFFICIAL ANNOUNCEMENTS

ANNOUNCEMENTS RELATING TO DUTCH ELM DISEASE QUARANTINE (NO. 71)

INSTRUCTIONS TO POSTMASTERS

POST OFFICE DEPARTMENT,
THIRD ASSISTANT POSTMASTER GENERAL,
Washington, October 10, 1941.

POSTMASTER:

MY DEAR SIR: Your attention is invited to the inclosed copy of a revision of plant quarantine Order No. 71 of the United States Department of Agriculture on account of the Dutch elm disease, by which you will please be governed. This revision, effective October 1, 1941, removes from the regulated area the town of Huntington in Suffolk County, N. Y., but extends the regulated area to include parts of nine Pennsylvania counties and additional sections in Connecticut, New Jersey, and New York where the Dutch elm disease has been located. See paragraph 1, section 595, Postal Laws and Regulations.

Very truly yours,

RAMSEY S. BLACK,
Third Assistant Postmaster General.

B. E. P. Q. 517 Effective November 10, 1941

TITLE 7—AGRICULTURE

CHAPTER III—BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

PART 301—DOMESTIC QUARANTINE NOTICES

DUTCH ELM DISEASE

§301.71–4a ADMINISTRATIVE INSTRUCTIONS MODIFYING THE RESTRICTIONS OF THE DUTCH ELM DISEASE QUARANTINE BY AUTHORIZING THE RESHIPMENT FROM POINTS WITHIN THE REGULATED AREA OF ELM PLANTS RECEIVED FROM NONREGULATED AREA AND RESHIPPED DURING THE DORMANT PERIOD OF THE INSECT VECTORS OF THE DISEASE

Pursuant to the authority conferred upon the Chief of the Bureau of Entomology and Plant Quarantine by the fourth proviso of § 301.71, Chapter III, Title 7, Code of Federal Regulations [Notice of Quarantine No. 71 on account of the Dutch elm disease], § 301.71–4 is hereby modified, effective November 10, 1941, by providing that elm plants originating in nonregulated area and received within the regulated area during the period from November 1 to March 31, inclusive, of any 12-month period may be reshipped interstate to nonregulated area during the period specified above when such plants have been handled under conditions of sanitation and segregation as prescribed by the inspector to prevent attack or infestation by insect vectors of the Dutch elm disease or accidental or natural infection by the fungus causing the disease. Such shipments of elm plants shall bear an identifying tag issued by the Bureau of Entomology and Plant Quarantine showing compliance with these conditions. (7 C. F. R., § 301.71; sec. 8, 39 Stat. 1165, 44 Stat. 250; 7 U. S. C. 161.)

Done at Washington, D. C., this 8th day of November 1941.

P. N. ANNAND,
Chief.

[Filed with the Division of the Federal Register November 14, 1941, 11:35 a. m.; 6 F. R. 5799.]

INSTRUCTIONS TO POSTMASTERS

POST OFFICE DEPARTMENT,
THIRD ASSISTANT POSTMASTER GENERAL,
Washington, December 30, 1941.

POSTMASTER:

MY DEAR SIR: Your attention is invited to the inclosed circular relating to the modification of the restrictions of Plant Quarantine No. 71 of the United States Department of Agriculture on account of the Dutch elm disease.

The modification permits the acceptance of reshipment from points within the regulated area of parcels containing elm plants received from the nonregulated area provided the reshipped parcels are accompanied with a certificate or identification tag of the Bureau of Entomology and Plant Quarantine showing the plants have been handled under conditions of sanitation and segregation as prescribed by the Inspector. You should be governed accordingly. See paragraph 1, section 595, Postal Laws and Regulations.

Very truly yours,

RAMSEY S. BLACK,
Third Assistant Postmaster General.

ANNOUNCEMENTS RELATING TO GYPSY MOTH AND BROWN-TAIL MOTH QUARANTINE (NO. 45)

B. E. P. Q. 386 (6th revision) Effective October 10, 1941

TITLE 7—AGRICULTURE

CHAPTER III—BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

PART 301—DOMESTIC QUARANTINE NOTICES

GYPSY MOTH AND BROWN-TAIL MOTH QUARANTINE REGULATIONS MODIFIED

Introductory note.—This revision of circular B. E. P. Q. 386 adds to the list of articles exempted from certification requirements, box shooks, when newly manufactured; cuttings and branches (for ornamental use) of boxwood, of Cali-

fornia peppertree, and of eucalyptus; cuttings of greenhouse-grown woody plants when so labeled; and wood flour, pulverized wood, or ground wood sawdust when sifted through a screen of at least 30 meshes to the inch.

§ 301.45a. *Administrative instructions; articles exempted from restrictions.* Pursuant to the authority conferred upon the Chief of the Bureau of Entomology and Plant Quarantine by the second proviso of § 301.45, Chapter III, Title 7, Code of Federal Regulations [Notice of Quarantine No. 45, on account of the gypsy moth and brown-tail moth], the following articles, the interstate movement of which is not considered to constitute a risk of moth dissemination, are exempted from the restrictions of the regulations of this quarantine, effective October 10, 1941:

Acacia cuttings (for ornamental use) (*Acacia* spp.).
Banana stalks, when crushed, dried, and shredded.
Birch slabs for use as post cards.
Birch bark when waxed, polished, or otherwise treated to adequately eliminate all risk of transmitting infestation and when used in the manufacture of novelties.
Box shooks, when newly manufactured and planed on four sides.
Boxwood cuttings and branches (for ornamental use) (*Buxus sempervirens*).
Cable reels, when newly manufactured and empty.
California peppertree cuttings and branches (for ornamental use) (*Schinus molle*).
Clubmoss (sometimes called "ground pine") (*Lycopodium* spp.).
Cuttings of woody plants that have been grown in the greenhouse throughout the year, when labeled on the outside of the container to show that the contents were greenhouse grown.
Eucalyptus cuttings and branches (for ornamental use) (*Eucalyptus globulus*).
Evergreen smilax (*Smilax lanceolata*).
Fuchsia (*Fuchsia* spp.).
Galax (*Galax aphylla*).
Geranium (*Pelargonium* spp.).
Heather cuttings (for ornamental use) (*Erica* spp., *Calluna* spp.).
Heliotrope (*Heliotropium* spp.).
Herbarium specimens, when dried, pressed, and treated, and when so labeled on the outside of each container.
Jerusalem-cherry (*Solanum capsicastrum, S. pseudocapsicum, S. hendersoni*).
Leaves of deciduous or evergreen trees that have been treated or dyed.
Mistletoe (*Phoradendron flavescens, Viscum album,* etc.).
Oregon huckleberry (*Vaccinium ovatum*).
Partridgeberry (*Mitchella repens*).
Strawberry plants (*Fragaria* spp.).
Trailing arbutus (*Epigaea repens*).
Verbena (*Verbena* spp.).
Wintergreen (*Gaultheria* spp., *Pyrola* spp.).
Wood flour, pulverized wood, or ground wood sawdust, when processed by screening or sifting through a screen of at least 30 meshes per inch. (Issued under § 301.45.)

All previous lists of exempted articles are superseded by these instructions.
Done at Washington, D. C., this 2d day of October 1941.

P. N. ANNAND, *Chief.*

[Filed with the Division of the Federal Register October 8, 1941, 11:04 a. m.; 6 F. R. 5131.]

INSTRUCTIONS TO POSTMASTERS

POST OFFICE DEPARTMENT,
THIRD ASSISTANT POSTMASTER GENERAL,
Washington, October 17, 1941.

Referring to notice of Quarantine No. 45 of the United States Department of Agriculture on account of the gypsy moth and brown-tail moth, notice is given to postmasters in the regulated area, which includes the entire State of Rhode Island and parts of Connecticut, Maine, Massachusetts, New Hampshire, and Vermont, that, effective October 10, 1941, the following articles, the interstate movement of which is not considered to constitute a risk of moth dissemination, are exempted from the restrictions of the regulations of this quarantine:

(For list of articles, see B. E. P. Q. 386 (6th revision), above.)

All previous lists of exempted articles are superseded by these instructions. (See Postal Bulletin of November 21, 1939, and page 10, December 1939 Supplement to the Postal Guide.)

RAMSEY S. BLACK,
Third Assistant Postmaster General.

ANNOUNCEMENT RELATING TO PUERTO RICAN FRUIT AND VEGETABLE QUARANTINE (NO. 58)

B. E. P. Q. 518.

Effective November 15, 1941

TITLE 7—AGRICULTURE

CHAPTER III—BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE
PART 301—DOMESTIC QUARANTINE NOTICES

TREATMENT PRESCRIBED FOR CERTAIN PUERTO RICAN VEGETABLES

§301.58–3b. *Administrative instructions; treatment requirement for green string beans, lima beans, faba beans, and pigeonpeas, in the pod, moving from Puerto Rico.* Pursuant to the authority conferred upon the Chief of the Bureau of Entomology and Plant Quarantine by paragraph (a) of § 301.58–3, Chapter III, Title 7, Code of Federal Regulations [regulation 3 of the rules and regulations supplemental to the Fruit and Vegetable Quarantine of Puerto Rico (No. 58)], treatment is prescribed for green string beans, lima beans, faba beans, and pigeonpeas, in the pod, moving by freight or express from Puerto Rico to any other State, Territory, or District of the United States, effective November 15, 1941, as follows:

(a) *Vacuum fumigation.*—Treatment is to be given in a standard vacuum fumigation vault equipped with a blower, with a 15-inch vacuum maintained throughout the period, at any temperature above 34° F., with a dosage of 3 pounds of methyl bromide per 1,000 cubic feet of space, including the load, for 1½ hours.

(b) *Atmospheric fumigation.*—Treatment is to be given in an approved atmospheric fumigation vault provided with a circulating fan, for a period of 2 hours, with dosages of methyl bromide as follows: (1) If the mass temperature is between 50° and 70° F., the dosage shall be at the rate of 3 pounds per 1,000 cubic feet of space, including the load; (2) if the mass temperature is above 70° F., the dosage shall be at the rate of 1½ pounds per 1,000 cubic feet of space, including the load. (NOTE.—Atmospheric fumigation is not recommended at temperatures below 50° F.)

Treatment vaults and equipment will be approved for fumigation purposes by the Bureau of Entomology and Plant Quarantine through the local plant quarantine inspector only when reasonably accessible for supervision purposes and when properly constructed and equipped to carry out the treatment prescribed.

All costs of treatment other than the services of the supervising inspector shall be borne by the owner of the products, or his representative.

While the prescribed treatment is judged from experimental tests to be safe for use with these products the Department assumes no responsibility for any damage sustained through or in the course of treatment.

Shipments of small lots of these products may be certified for shipment by parcel post without fumigation when they have been examined by an inspector and found free from infestation. (7 C. F. R., § 301.58–3; § 8, 39 Stat. 1165, 44 Stat. 250; 7 U. S. C. 161.)

Done at Washington, D. C., this 12th day of November 1941.

P. N. ANNAND,
Chief.

[Filed with the Division of the Federal Register November 19, 1941, 11.14 a. m.; 6 F. R. 5891.]

TERMINAL INSPECTION OF PLANTS AND PLANT PRODUCTS

THIRD ASSISTANT POSTMASTER GENERAL,
Washington, November 10, 1941.

ARIZONA STATE PLANT QUARANTINES

(Revision of notice dated August 7, 1939)

Under plant quarantines and regulations issued by the State of Arizona, the shipment into that State of certain plants and plant materials, known to be hosts of injurious pests and plant diseases, is subject to certain requirements, or entirely prohibited.

The following table gives a summary of the Arizona quarantine laws and regulations, showing the quarantined areas, the plants and plant products affected, and the pests and diseases of which such plants are known hosts. Under the provisions of paragraph 2 (b), section 596, Postal Laws and Regulations, postmasters should not accept such plants and plant products when presented for mailing in violation of these quarantine laws and regulations, and should invite the attention of the mailers thereto.

Plants and plant products prohibited or regulated entry into Arizona

Area quarantined	Plants and plant products affected		Plant pests and diseases
	Acceptance for mailing entirely prohibited	Acceptance for mailing only when accompanied with approved certificate or Arizona permit	
(Column I)	(Column II)	(Column III)	(Column IV)
(1) Entire United States		All grapevines and cuttings (rooted or otherwise) when accompanied by proper certificate of treatment from state of origin.	Grape mealybug and grape Phylloxera.
(2) Entire United States (except California).	Citrus fruits and plants and parts thereof, except seed.	Citrus seed admitted under Arizona permit. California citrus nursery stock admitted under Arizona permit.	Citrus canker and species of the fruitfly family Trypetidae.
(3) a. Alabama—Counties of Baldwin, Conecuh, and Mobile. Florida—Entire State. Georgia—Counties of Camden, Charlton, Glynn, and Thomas. Louisiana—Parishes of Acadia, Allen, Ascension, Assumption, Avoyelles, Beauregard, Calcasieu, Cameron, East Baton Rouge, East Feliciana, Evangeline, Iberia, Iberville, Jefferson, Jefferson Davis, Lafayette, LaFourche, Livingston, Orleans, Plaquemines, Pointe Coupee, Rapides, St. Bernard, St. Charles, St. Helena, St. James, St. John the Baptist, St. Landry, St. Martin, St. Mary, St. Tammany, Tangipahoa, Terrebonne, Vermilion, Vernon, Washington, West Baton Rouge, and West Feliciana. Mississippi—Counties of Amite, George, Hancock, Harrison, Jackson, Jefferson Davis, Jones, Lawrence, Pearl River, Pike, Stone, and Walthall. Texas—Counties of Angelina, Atascosa, Austin, Bandera, Bastrop, Bee, Bell, Bexar, Blanco, Bosque, Brazos, Brazoria, Brewster, Burlington, Burnette, Caldwell, Calhoun, Cameron, Chambers, Colorado, Comal, Concho, Coryell, Crane, Crockett, DeWitt, Dimmit, Duval, Edwards, Falls, Fayette, Fort Bend, Frio, Galveston, Gillespie, Goliad, Gonzales, Grimes, Guadalupe, Hamilton, Hardin, Harris, Hays, Hidalgo, Hill, Irion, Jackson, Jasper, Jim Hogg, Jim Wells, Jefferson, Jeff Davis, Karnes, Kendall, Kerr, Kimble, Kinney, Kleberg, Lavaca, Llano, LaSalle, Lampasas, Lee, Liberty, Limestone, Live Oak, McCulloch, McLennan, McMullen, Madison, Mason, Matagorda, Maverick, Medina, Menard, Milam, Mills, Mont-	(a) Sweetpotato tubers and parts thereof; (b) sweetpotato plants, vines, cuttings, draws, slips, and morning-glories; (c) yams including the tubers and plants and parts thereof.		Sweetpotato weevil.

Plants and plant products prohibited or regulated entry into Arizona—Continued

Area quarantined	Plants and plant products affected		Plant pests and diseases
	Acceptance for mailing entirely prohibited	Acceptance for mailing only when accompanied with approved certificate or Arizona permit	
(Column I)	(Column II)	(Column III)	(Column IV)
(3) Texas—Continued. gomery, Nacogdoches, Newton, Nueces, Orange, Pecos, Polk, Presidio, Real, Reagan, Refugio, Robertson, Sabine, San Augustine, San Jacinto, San Patricio, San Saba, Schleicher, Starr, Sutton, Terrell, Travis, Tyler, Upton, Uvalde, Val Verde, Victoria, Walker, Waller, Washington, Webb, Wharton, Willacy, Williamson, Wilson, Zapata, and Zavala.			
(3) b. All other parts of the United States.	----------	Plants and tubers admitted to Arizona when accompanied with certificate from State of origin showing same originated in area known to be free from sweet-potato weevil.	
(4) a. Alabama, Arkansas, Florida, Georgia, Kansas, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia.	Cotton, including all parts of the cotton plant either wild or cultivated; cotton lint, linters, samples of cotton, seed cotton, cottonsed, cottonseed hulls, and Spanish moss.	----------	Cotton boll weevil.
(4) b. Other parts of United States except California.	----------	Seed cotton, cottonseed, lint, linters, cotton samples, cottonseed hulls, and Spanish moss, admitted under Arizona permit or U. S. Department of Agriculture certification.	
(5) Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Kentucky, Maryland, Massachusetts, Michigan, Mississippi, Nevada, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Virginia, West Virginia, and District of Columbia.	All species, including the ornamental forms, of peach, apricot, almond, nectarine, and plum trees, cuttings, grafts, scions, or buds, or any trees budded or grafted on peach stock or peach roots.	----------	Peach yellows, peach rosette, and little peach.
(6) Arizona, California, Colorado, New Mexico, Oklahoma, Texas, and Utah.	Plum trees and parts thereof, except fruit pits.	Peach and nectarine trees, root stock, grafts, buds, or other parts capable of propagation, except fruit pits, admitted under proper certification from State of origin.	Peach mosaic disease.
(7) Entire United States----------	----------	Strawberry plants admitted if accompanied with certificate from State of origin stating same originated in area free from strawberry root weevils.	Strawberry root weevils.

Plants and plant products prohibited or regulated entry into Arizona—Continued

Area quarantined	Plants and plant products affected		Plant pests and diseases
	Acceptance for mailing entirely prohibited	Acceptance for mailing only when accompanied with approved certificate or Arizona permit	
(Column I)	(Column II)	(Column III)	(Column IV)
(8) Alabama, Arkansas, Connecticut, Delaware, District of Columbia, Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Mississippi, Missouri, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Virginia, and West Virginia.	All species and varieties, including the ornamental forms, of peach, nectarine, almond, apricot, plum, cherry, choke cherry, haw, or hawthorne (Crataegus sp.), quince, pear, and apple trees and plants or parts thereof, including the fresh fruits.	Budwood or scions and bare-rooted trees, if accompanied by certificate of fumigation, admitted under Arizona permit from Nov. 1 to Apr. 1.	Oriental fruit moth.
(9) Connecticut, Delaware, Illinois, Indiana, Kentucky, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, Vermont, Virginia, West Virginia, and Wisconsin.[1]	Entry of the following articles into Arizona prohibited except under U. S. Department of Agriculture, or a duly authorized agricultural official of the State of origin,[1] certification showing them free of infestation or adequately treated: Ears, stalks, cobs, or other parts or debris (except seed and shelled grain free from cob fragments and other plant debris) of corn, broomcorn, sorghums, and Sudan grass; cut flowers, or entire plants of chrysanthemum, aster, dahlia, and gladiolus (except corms, bulbs, or tubers without stems); lima beans in the pod, green shell beans in the pod (of the variety known as Cranbury or Horticultural); beets with tops; and rhubarb.	----------	European corn borer.
(10) Entire United States except California.	All species and varieties of hickory, pecan, and walnut trees and parts thereof, except nuts.	Scions and budwood and bare-rooted trees admitted under Arizona permit.	Pecan leaf casebearer, pecan nut casebearer, pecan weevil.
(11) Connecticut, Maine, Massachusetts, New Hampshire, Oregon, Rhode Island, Vermont, and Washington.	All species and varieties of willow and poplar trees and parts thereof capable of propagation.	----------	Satin moth.

[1] As amended Dec. 31, 1941.

Shippers desiring Arizona permits must make application therefor direct to the State Entomologist, Phoenix, Ariz.

Postmasters at places in Arizona where State inspection of plants and plant products is maintained under the Terminal Inspection Act should take the action prescribed by paragraph 4 (b), section 596, Postal Laws and Regulations, if parcels sent to such offices for terminal inspection are found to be in violation of these plant quarantine laws or regulations.

RAMSEY S. BLACK,
Third Assistant Postmaster General.

INSTRUCTIONS TO POSTMASTERS—PLANT QUARANTINES AND TERMINAL INSPECTION REGULATIONS APPLICABLE TO FRUITS AND OTHER PLANT PRODUCTS SENT TO MILITARY CAMPS

NOVEMBER 21, 1941.

It has come to attention that parcels containing fruits and other plant products, which are not indorsed on the outside to show that fact, are being sent by relatives and friends to officers and men in military camps located in States which have established quarantines prohibiting or regulating the entry of certain plants or plant products or which require inspection of such articles under the terminal plant inspection regulations. For example, fruits, including apples, almonds, apricots, cherries, chokecherries, nectarines, peaches, pears, plums, and quinces, are not properly acceptable for mailing into Arizona, California, or Oregon from the quarantined areas and the entry into these States of oranges or other citrus fruits is also restricted or entirely prohibited.

Under the law embodied in paragraph 1 (b), section 596, Postal Laws and Regulations, a penalty is imposed for failure properly to indorse parcels containing any plants or plant products when addressed for delivery in any State maintaining terminal inspection. Failure to mark the parcels on the outside may lead to the dissemination of injurious plant diseases or insect enemies.

Postmasters and accepting employees should, therefore, be particularly careful when accepting parcels addressed to officers and men in military camps located in any State maintaining terminal plant inspection or which has established quarantine laws and regulations under the act of June 4, 1936, as listed on pages 20 and 24 of the current Postal Guide, to see that the parcels fully comply with the regulations. To this end they should question mailers and require parcels containing fruit or other plant products to be properly indorsed. Postmasters at the offices of address in terminal inspection States should also exercise care to see that all parcels containing such articles, whether or not so indorsed, are treated as provided by paragraphs 3 to 7, section 596, Postal Laws and Regulations.

RAMSEY S. BLACK,
Third Assistant Postmaster General.

MISCELLANEOUS ITEMS

BISHOPP AND SPENCER TO BE ASSISTANT CHIEFS IN BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

[Press notice]

NOVEMBER 8, 1941.

P. N. Annand, chief of the United States Department of Agriculture's Bureau of Entomology and Plant Quarantine, today announced appointment of Fred C. Bishopp as assistant chief of the Bureau in charge of research work, and Frank H. Spencer as assistant chief in charge of business administration. Avery S. Hoyt will continue as associate chief, and S. A. Rohwer as assistant chief.

Dr. Bishopp was born at Virginia Dale, Colo., on January 14, 1884. He received his B. S. degree in 1902 from Colorado Agricultural College, and his M. S. in 1903 from the same school. He received his Ph. D. degree from Ohio State University in 1932. From 1904 to 1905 he was assistant professor of entomology and assistant State entomologist in Maryland. He then joined the Federal Bureau of Entomology to work on cotton boll weevil investigations until 1910. The following 2 years he worked on tick investigations. He spent the next 5 years studying insects that affect the health of animals. Dr. Bishopp was made chief of the Division of Insects Affecting Man and Animals in 1927, and has continued in this capacity up to the present appointment.

Dr. Bishopp is a Fellow of the American Association for the Advancement of Science and the Entomological Society of America. He is a member of the American Association of Economic Entomologists and was president in 1937; a member of the Washington Entomological Society, president in 1932; member of the Washington Academy of Science; the Biological Society of Washington; the American Society of Parasitologists, president in 1938; the American Society of Tropical Medicine, the Texas Academy of Science, the National Malaria Committee; and the honorary societies Phi Kappa Phi and Sigma Xi.

Mr. Spencer was born in Burlington, N. J., January 2, 1899. He attended the Washington School of Accountancy, and graduated from LaSalle Extension University and Alexander Hamilton Institute. He joined the Government in

the Bureau of Animal Industry in 1917, as a personnel clerk. He served in the Bureau of Markets and the Division of Publications of the Department of Agriculture from 1919 to 1921. He then became secretary to the Director of the War Finance Corporation from 1921–22. In 1922 he became administrative assistant and secretary to the Secretary of Agriculture, which position he held until 1931 when he became business manager of the Bureau of Entomology, transferring in the same capacity when the present Bureau of Entomology and Plant Quarantine was formed in 1934.

CUSHING NAMED HEAD OF ENTOMOLOGY AND PLANT QUARANTINE DIVISION

[Press notice]

NOVEMBER 27, 1941.

P. N. Annand, chief of the Bureau of Entomology and Plant Quarantine, United States Department of Agriculture, announced today appointment of Emory C. Cushing to succeed F. C. Bishopp as chief of the Division of Insects Affecting Man and Animals.

Mr. Cushing was born in Grafton, Nebr., December 4, 1897, attended public schools in San Antonio, Tex., and graduated in 1918 from Texas Agricultural and Mechanical College. He pursued advanced work at that institution, the Liverpool School of Tropical Medicine, and Cornell University.

Mr. Cushing was on the staff of the Texas Agricultural Experiment Station before joining the Bureau of Entomology in 1928. His work with the Bureau has been largely devoted to investigations of insects affecting man and animals and for several years he was assistant division leader. It was due to his efforts that the true screwworm was identified, revolutionizing control of this very important pest.

ROHWER IN CHARGE OF ENTOMOLOGY AND PLANT QUARANTINE REGULATORY WORK, POPHAM NEW ASSISTANT CHIEF

[Press notice]

DECEMBER 4, 1941.

The United States Department of Agriculture announced today new assignments for two officers of the Bureau of Entomology and Plant Quarantine. Sievert A. Rohwer, an assistant chief of the Bureau, has been placed in charge of regulatory work, and William Lee Popham has been appointed an assistant chief in charge of control operations. P. N. Annand is Chief of the Bureau.

Mr. Rohwer was born in Telluride, Colo., on December 22, 1888. He was educated in Colorado and came to the Department in 1909 as a taxonomist. In 1923 he was placed in charge of the new division of Insect Identification of the Bureau of Entomology, and in 1927 was assigned to general administrative duties. When the Plant Quarantine and Control Administration was created in 1928 he was appointed assistant chief of that Bureau. In 1933, Mr. Rohwer was transferred to the Bureau of Entomology as assistant chief and continued as such when the Bureau of Entomology and Plant Quarantine was created in 1934.

Mr. Popham was born in Corvallis, Mont., on February 26, 1901. He received a B. S. degree in agriculture from Montana State College in 1923, and did 2 years' postgraduate work in botany and plant pathology at the same school. His first position was with the Montana State Horticultural Board, and he entered the Department of Agriculture's Bureau of Plant Industry in September 1924 as a State leader in black stem rust control. In 1928 he became regional leader for Montana and Wyoming and in 1930 a field supervisor for 13 North Central States. He came to Washington as assistant chief of the Division of Barberry Eradication in 1931, and when this work was taken over by consolidation with the Bureau of Entomology and Plant Quarantine in 1934 he was placed in charge of barberry eradication work.

UNITED STATES DEPARTMENT OF AGRICULTURE DISCONTINUES EUROPEAN CORN BORER CERTIFICATION

[Press notice]

DECEMBER 30, 1941.

The United States Department of Agriculture said today that on January 1 it will discontinue certification of products the movement of which is regulated by State quarantines on account of the European corn borer.

Since the Federal quarantine on the European corn borer was revoked on July 15, 1932, the Department has been inspecting and certifying products to meet requirements of various State quarantines on this pest. As a condition of movement into the State the various quarantines require inspection and certification of many kinds of products, such as corn, broomcorn, Sudan grass, chrysanthemums, asters, hollyhocks, dahlias, beets with tops, celery, beans, rhubarb, and oat and rye straw, which are likely to carry the corn borer from known infested areas.

The work of the Department has been carried on with funds provided through annual appropriations made to the Bureau of Entomology and Plant Quarantine for this purpose. Funds provided for the current fiscal year are less than one-half of the amount available during preceding years and are inadequate to provide inspection necessary to give service throughout the fiscal year. Since July of this year, the inspection and certification work have continued without reduction in efficiency, but available funds will be exhausted by December 31, 1941, when the work will be discontinued.

Officials of the States having quarantines requiring that restricted products from the area where the corn borer occurs be certified by employees of the Department have advised the Bureau of Entomology and Plant Quarantine that their quarantines will be modified to accept such products upon certification by State officials. With these modifications in State quarantines there should be no interruption in normal movement of restricted articles or increase in pest risk.

States or parts of States in the infested area are Connecticut, Delaware, Illinois, Indiana, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, Vermont, Virginia, and Wisconsin. States requiring Federal certification are Colorado, Nevada, Oregon, Texas, and Tennessee. Utah and Wyoming have embargoes against restricted materials.

B. E. P. Q. 382, Revised, Supplement No. 2.

PLANT-QUARANTINE IMPORT RESTRICTIONS, REPUBLIC OF URUGUAY

DECEMBER 26, 1941.

STANDARDS ESTABLISHED FOR CERTAIN SEEDS

Although not a plant quarantine order, the following information may be of interest to exporters of the seeds concerned to Uruguay. It is quoted from the Foreign Commerce Weekly for December 13, 1941.

VEGETABLE SEEDS: PURITY AND GERMINATION IMPORT STANDARDS ESTABLISHED

"Standards for purity and germination for certain vegetable seeds imported into Uruguay have been established by a decree of October 29, 1941, published in the Diario Oficial, November 14, 1941, Montevideo. The following are the required percentages of purity and germination, respectively: Chicory, endive, and carrots, 90 percent purity and 55 percent germination; onions, leeks, aniseed, celery, asparagus, peppers, watermelon, squash, artichoke, fennel, parsley, salsify, and spinach, 95 percent purity and 55 percent germination; beets, melon, cucumber, lettuce, cress, radishes, tomatoes, and eggplant, 95 percent purity and 70 percent germination; and cabbage, chickpeas, cauliflower, turnip, lentils, beans, peas, broad beans, and sweet corn, 95 percent purity and 80 percent germination."

P. N. ANNAND,
Chief, Bureau of Entomology and Plant Quarantine.

B. E. P. Q. 406, Revised, Supplement No. 3.

PLANT-QUARANTINE IMPORT RESTRICTIONS, BRITISH COLONY OF MALTA

NOVEMBER 19, 1941.

AREA QUARANTINED ON ACCOUNT OF COLORADO POTATO BEETLE INCREASED

The 35th Supplement to the List of Prohibited Articles as published in the Bulletin of the International Bureau of the Universal Postal Union, July 15,

1941, contains information upon which the second paragraph under "Importation Prohibited" in B. E. P. Q. 406, Revised, is amended to read as follows:

Trees, shrubs, cuttings, tubers, bulbs, bulbous roots of flowers, tomatoes, and fresh vegetables: Importation prohibited from Germany, North America, Belgium, Spain, France, Luxembourg, Holland, and Switzerland, to prevent the introduction of the Colorado potato beetle (*Leptinotarsa decemlineata* Say) and the San Jose scale (*Aspidiotus perniciosus* Comst.).

P. N. Annand,
Chief, Bureau of Entomology and Plant Quarantine.

B. E. P. Q. 426, Supplement No. 6.

PLANT-QUARANTINE IMPORT RESTRICTIONS, REPUBLIC OF ARGENTINA

November 22, 1941.

Regulations Governing Importation of Sudan Grass

Executive Decree No. 87,028, January 16, 1941, creates a Service for the certification and inspection of domestic forage plant seeds. The following articles refer to the importation of seeds, including especially Sudan grass.

Article 20. Importers of seeds may not propagate them in the country without being previously registered and approved by the Seed Inspection Service.

Art. 21. The railroads, shipping companies, and other public carriers shall accept only certified and sealed shipments of Sudan grass.

Art. 22. New bags only shall be used. Each bag shall be sealed and labeled with the following information: Name of variety, origin, date of harvest, and grade.

P. N. Annand,
Chief, Bureau of Entomology and Plant Quarantine.

B. E. P. Q. 519. (Supersedes P. Q. C. A. 283, Revised, and all supplements).

PLANT-QUARANTINE IMPORT RESTRICTIONS, REPUBLIC OF CUBA

November 21, 1941.

This revision of the plant-quarantine import restrictions of the Republic of Cuba was made necessary by the combining of most Cuban regulations in a single decree. It has been prepared for the information of exporters of plants and plant products to that country, and plant quarantine officials.

The circular was prepared by Richard Faxon, District Supervisor, Export Certification, Division of Foreign Plant Quarantines, from a translation of Decree No. 2745 of October 4, 1940, and was reviewed by Ing. Jose M. Santos, Director of Agriculture, Havana, Cuba.

The information contained in this circular is believed to be correct and sufficiently complete for its purpose up to the time of preparation, but it is not intended to be used independently of, nor as a substitute for, the original text, and it is not to be interpreted as legally authoritative.

P. N. Annand,
Chief, Bureau of Entomology and Plant Quarantine.

B. E. P. Q. 519. (Supersedes P. Q. C. A. 283, Revised, and all supplements).

PLANT-QUARANTINE IMPORT RESTRICTIONS, REPUBLIC OF CUBA

November 21, 1941.

Basic Legislation

[Decree No. 2745, October 4, 1940; Department of Agriculture, Division of Plant Sanitation, Decree No. 1752, October 22, 1928; Decree No. 1201, August 26, 1932]

Decree No. 2745 quotes previous legislation delegating authority to the Department of Agriculture for plant protection. All Cuban regulations dealing with plant-quarantine matters have been compiled in this decree and previous regulations have been revoked with the exception of Decree No. 1752, which regulates

the importation of cheesecloth that has been used to cover tobacco fields, and Decree No. 1201, which restricts the importation of seed potatoes.

PERMIT REQUIRED

A permit to import fruits, vegetables, plants or parts thereof, including stocks and seeds, must be secured from the Division of Plant Sanitation 10 days previous to the date of shipment, unless such products are specifically excepted from this requirement in the regulations. (The list of exceptions will be found in article 3.)

PROHIBITED

All classes of fruit from Texas. (Art. 4.)
Corn on the cob from all countries. (Art. 5.)
Citrus fruit with a few exceptions, such as Arizona, California, and Florida. (Art. 6.)
Potatoes from most countries. United States excepted. (Art. 10.)
Banana plants, *Musa* spp., from all countries. (Art. 11.)
Tomato and pepper seed from all countries except the United States. (Art. 12.)

RESTRICTED

A phytosanitary inspection certificate is required in connection with the importation of:

Garden seeds, papaya, and flower seeds. (Art. 3 (c).)
Fruits coming from the Chilean province of Coquimbo and south of it. (Art. 3 (f).)
Lily bulbs from Bermuda. (Art. 3 (h).)
Sour lemons from Italy and Spain. (Art. 6 (b).)
Broomcorn plants or parts thereof used in the manufacture of brooms. (Art. 7.)
Zacaton roots used in the manufacture of brushes. (Art. 7.)
Cottonseed, cottonseed hulls, raw cotton, and cloth which has been used to cover bales of any class of cotton coming from the areas in the United States infested with pink bollworm (*Pectinophora gossypiella*). (Art. 8.)
Nursery stock, including dahlia bulbs, throughout the year, and fruits, vegetables, cut flowers, and plants from June 15 to October 15, coming from areas in the United States infested with the Japanese beetle. (Art. 9 (a) and (b).)
Potatoes, sweetpotatoes, and other tubers, fresh peas, peanuts in the shell, seed cotton, raw cotton, cottonseed, and sod coming from areas in the United States infested with the white-fringed beetle (*Pantomorus leucoloma* and *Pantomorus peregrinus*). (Art. 13.)

UNRESTRICTED

Walnuts, pecans, hazelnuts, chestnuts, almonds, Brazil nuts, husked rice, beans, lima beans, chickpeas, peas, and edible grains of all kinds, and coffee beans coming from any country. (Art. 3 (c).)
Fruits and vegetables for consumption from the United States when free from pests and not specifically prohibited. (Art. 3 (b).)

General Regulations

[Decree No. 2745, October 4, 1940]

The preamble cites the authority for vesting plant-quarantine measures, such as inspection of imported foreign plants and plant products, control of diseases and insects injurious to Cuban agriculture, and the control of the movement of infested plants and plant products, in the Department of Agriculture. It calls attention to the desirability of combining all regulations dealing with plant-quarantine problems in a single decree.

On the advice of the Secretary of Agriculture, the President of the Republic resolves to modify the Presidential Decree No. 740, dated May 10, 1929, so that it may read as follows:

PERMIT

Article 1. The importation of fruits, vegetables, and plants or parts thereof, including stocks and seeds, must be previously authorized by the Division of

Plant Sanitation of the Department of Agriculture, unless such importation is specifically authorized by these regulations without that requirement or with special ones, or is specifically prohibited. In every case, the imported products must be received free of earth, except those the importation of which is authorized without this requisite by resolution of the Plant Quarantine Board.

ART. 2. In order to import any plants or parts thereof not exempted from the above requirement, the required permit must be applied for not less than 10 days previous to the day of shipment, and shall not be issued without a previous favorable report from the Plant Quarantine Board.

EXCEPTIONS TO PERMIT REQUIREMENT

ART. 3. The following products may be imported without the restrictions of article 1 of these regulations:

(a) Plants or parts thereof, consigned to the Agricultural Experiment Station, under the Office of the Secretary of Agriculture, which shall remain subject to quarantine or other proper measures in order to prevent the introduction of dangerous pests, in accordance with the decision of the Department of Phytopathology and Entomology and the Department of Botany of said Agricultural Experiment Station.

(b) Fruits and vegetables for consumption coming from the United States of North America, provided their importation is not specifically prohibited from that country and that they are free from pests.

(c) Except when specifically prohibited, if clean and free from pests, garden seeds, papaya, and flower seeds, when accompanied by an official phytosanitary certificate.

Walnuts, pecans, hazelnuts, chestnuts, almonds, Brazil nuts, husked rice, beans, lima beans, chickpeas, peas, and edible grains of all kinds, and coffee beans.

(d) Onions coming from the Canary Islands, Egypt, and Chile.

(e) Garlic, artichoke, cabbage, and asparagus coming from Chile.

(f) Apples, pears, peaches, quinces, nectarines, plums, mazzard cherries, apricots, cherries, grapes, Japanese persimmons, and melons, coming from the province of Coquimbo and other Chilean provinces south of it, provided they are accompanied by an official phytosanitary certificate stating that these products originated in the above-mentioned provinces, and that they are free from *Pantomorus leucoloma*, *Pantomorus peregrinus*, and other pests, and that the importation is made exclusively through the port of Havana.

(g) Fruits and agricultural products authorized by exceptions in articles 6 and 13 of this decree.

(h) Lily bulbs from Bermuda, provided they are packed in clean coral sand and are accompanied by a certificate issued by an authorized officer of the country of origin, stating that they are free from pests or diseases injurious to agriculture.

(i) Preserved agricultural products.

(j) Agricultural products imported as raw material for industrial purposes, except those specifically regulated or prohibited.

(k) Agricultural products imported for medicinal purposes, in sufficient quantities for drug stores, pharmacies, and laboratories, with the same exceptions as stated under the above paragraph.

(l) Manufactured agricultural products, meaning, for this purpose, such manufacturing as will change the natural condition of the products, by means of any processes that include or produce their sterilization.

(m) Lumber and its manufactured products.

FRUIT FROM TEXAS

ART. 4. To prohibit the importation of all classes of fruit coming from the State of Texas, United States of America.

EUROPEAN CORN BORER AND CORN DISEASES

ART. 5. To prohibit the importation of corn on the cob from all countries, and of shelled corn from Australia and the Far East.

CITRUS PLANTS AND FRUIT

ART. 6. To prohibit the importation of plants, or parts thereof, and fruit of the genus *Citrus*, with the following exceptions:

(a) Citrus fruits coming from the United States of North America, except those from Louisiana and Texas, provided each fruit is individually wrapped in paper, and all the fruit is packed in crates.

(b) Sour lemons, that is, those so-called French lemons, coming from Italy and Spain, provided they comply with the above requirements, and, besides, are accompanied by a phytosanitary certificate issued by the official authorities stating that they are free from insects.

EUROPEAN CORN BORER

ART. 7. To prohibit the importation of broomcorn plants (*Holcus*) or parts thereof, raw material used for the manufacture of brooms, unless accompanied by an official certificate stating that they have been fumigated or treated with steam, or otherwise treated in an adequate manner so as to kill the insect known as *Pyrausta nubilalis* and other insects.

In the same manner, the importation of the roots of zacaton or broom grass, raw material used in the manufacture of brushes, is prohibited, unless it is dry, perfectly clean, and has been sulfured.

PINK BOLLWORM

ART. 8. To prohibit the importation of cottonseed, cottonseed hulls, raw cotton, and of cloth which has been used to cover bales of any class of cotton (*Gossypium*) unless coming from those areas in the United States of North America not infested with the insect known as the "pink bollworm" (*Pectinophora gossypiella*).

From the regulated areas of that country they will be allowed only when accompanied by a certificate of the United States Department of Agriculture, stating that they have complied with the requirements necessary for interstate movement. The importation of raw cotton from other countries is allowed only when accompanied by an authorized official certificate stating that it has been properly fumigated so as to kill the stages of said insect.

The products mentioned in the first paragraph of this article are not allowed into the Isle of Pines, even when coming from Cuba, without a permit issued by the Secretary of Agriculture; said permit will also be necessary to import into Cuba cottonseed coming from the Isle of Pines.

JAPANESE BEETLE

ART. 9. To prohibit the importation of the following products from the regulated areas of the United States of North America, infested with the Japanese beetle (*Popillia japonica*):

(a) During the period comprised between the 15th of June and the 15th of October: Fruits, vegetables, cut flowers, and plants.

(b) Permanently: Nursery stock, including dahlia bulbs, but no other classes of bulbs.

This prohibitive measure shall not apply to any of the enumerated products, when accompanied by an official phytosanitary certificate issued in accordance with the requirements of the United States Department of Agriculture for interstate movement.

POTATO RESTRICTIONS

ART. 10. To prohibit the importation of potatoes, except those coming from the United States of North America, Canada, Spain, Canary Islands, and Bermuda, which must be accompanied correspondingly by an official phytosanitary certificate issued by the proper authority of the country of origin. (See also Seed Potatoes, p. 11.)

BANANA PLANTS

ART. 11. To prohibit the importation, from all countries, of the banana plant, or portions thereof, and of all plants of the genus *Musa*.

TOMATO AND PEPPER SEED

ART. 12. To prohibit the importation of tomato and pepper seed, except that coming from the United States of North America if accompanied by an official phytosanitary certificate, stating that the seed has been properly disinfected by a process that will kill the organism causing "bacterial spot" (*Bacterium vesicatorium*) and "bacterial canker" (*Aplanobacter michiganense*).

WHITE-FRINGED BEETLE

ART. 13. To prohibit the importation of the following products, when coming from the regulated areas [1] of the United States of North America, because of the white-fringed beetle (*Pantomorus leucoloma* and *Pantomorus peregrinus*), except when accompanied by a certificate of the United States Department of Agriculture stating that they have complied with all the requirements for interstate movement: Potatoes, sweetpotatoes, and other tubers, fresh peas, and peanuts in the shell, seed cotton, raw cotton, cottonseed, and sod. At all events said products, upon their arrival in Cuba, shall be subject to inspection by the Bureau of Plant Quarantine of the Department of Agriculture.

If upon inspection these products are found to be infested they shall be destroyed immediately; if no infestation is detected, but they are not accompanied by a certificate, the material shall be destroyed unless reshipped within the time allowed by the Bureau of Plant Quarantine.

PORTS OF ENTRY

ART. 14. To order that the importation of fruits and vegetables, plants, and other agricultural products, other than those enumerated in this decree from (i) to (m), inclusive, shall take place only through the ports of Havana, Cienfuegos, and Santiago de Cuba, unless otherwise specifically disposed.

INSPECTORS' AUTHORITY

ART. 15. Authority is hereby conferred on the inspectors of the Division of Plant Sanitation to the effect that, in cooperation with the Customs Inspectors, they may inspect the baggage and possessions of passengers and crews of ships or other vehicles of transportation, as well as any imported cargo, when their inspection is deemed necessary in order to carry out the provisions of this decree.

Said inspectors shall prevent the landing of all articles capable of introducing injurious agricultural pests, when not imported under the provisions of this decree; or shall place them, if already landed, at the disposition of the Chief of Plant Sanitation, to whom they shall report with all speed, in either case.

If the introduction into the country has already taken place, or any other provision of this decree has been violated, whether by a civilian or by a public official, a report shall be made to the Court in accordance with the provisions of section 20, Article 578, of the Code for Social Defense, without damage to the administrative authority when a public official or employee is involved.

FRUIT IN SHIP'S STORES

ART. 16. The storerooms or ice boxes of ships containing fresh fruits and coming from Bermuda, Jamaica, Mexico, Central America, South America, Trinidad, Hawaiian Islands, Australia, Philippine Islands, Portugal, Spain, France, and Italy shall be sealed while they remain in Cuban ports, this function to be performed by the corresponding Customs inspector in those ports where no inspectors of the plant Sanitation service are located.

RESHIPPED FRUITS AND OTHER AGRICULTURAL PRODUCTS

ART. 17. Fruits and other agricultural products whose brands, labels, or other marks denote that they came from countries from which a certificate of origin is required, must be accompanied by said certificate, even when shipped from a different country.

CONSULAR VISA

ART. 18. All certificates required from foreign countries in accordance with this decree must be visaed by the Cuban consul, unless there is no consul in the country issuing it.

BENEFICIAL INSECTS AND FUNGI

ART. 19. In the case of the importation of insects and fungi beneficial to agriculture, the importer must apply for permission from the Chief of Plant Sanitation, which shall be given only after receiving a favorable report from the Plant Quarantine Board.

[1] The States quarantined by the white-fringed beetle quarantine (Quarantine No. 72) comprise Alabama, Florida, Louisiana, and Mississippi.

ART. 20. An Advisory Board of Plant Quarantine is hereby created, to be composed of the following members:

(1) The Director of Agriculture as Chairman;
(2) The Chief of the Division of Plant Sanitation;
(3) The Chief of the Department of Phytopathology and Entomology of the Agricultural Experiment Station;
(4) The Chief of the Department of Botany and Genetics of the same station;
(5) The Chief of the Bureau of Plant Quarantine who shall act as Secretary;
(6) The Professor of Plant Pathology and Entomology of the National University; and
(7) A member, a specialist in this matter, of the "Felipe Poey" Society of Natural History.

Said Board shall perform the following functions:

(a) To advise the Secretary of Agriculture, when he so desires, on matters pertaining to the regulation of plant products importations.
(b) To answer all questions on such matters submitted to it by the Division of Plant Sanitation; and
(c) To propose to the Secretary of Agriculture the adoption of quarantine measures that the Board may deem advisable.

SECRETARY'S AUTHORITY

ART. 21. The Secretary of Agriculture, being previously advised by the Plant Quarantine Board, shall have the power to revoke any of the prohibitions enacted in this decree as they affect the importation of plant products, or to enact new ones; and, in the same manner, shall have the power to issue such dispositions as he may consider necessary for the better enforcement of it.

REVOCATION OF PREVIOUS DECREES

ART. 22. All the decrees and resolutions pertaining to the importation of plant products, or to any other imports that may appear injurious to agriculture, with the exception of Decree No. 1752 of October 22, 1928, and Decree No. 1201 of August 26, 1932, are hereby revoked.

ENFORCEMENT OF DECREE

ART. 23. The Secretary of Communications, the Secretary of the Treasury, and the Secretary of Agriculture are hereby charged with the enforcement of such phases of this decree as come under their corresponding jurisdiction.

Done at the city of Havana, in the Presidential Palace, this 4th day of October 1940.

FEDERICO LAREDO,
President.

FRANCISCO GOMEZ,
Secretary of Communications and Acting Secretary of Agriculture.

[Decree No. 1752, October 22, 1928]

USED CHEESECLOTH

The Presidential Decree No. 1752 of October 22, 1928, prohibits the importation of used cheesecloth for covering tobacco plantations, unless it has been thoroughly fumigated in its country of origin. An accompanying certificate issued by the competent authority and endorsed by the Consul of Cuba will be accepted as evidence. The certificate shall also state that the goods do not contain the "escarabajo japones" (Japanese beetle, *Popillia japonica* Newm.), or any other crop pest.

In default of this certificate the cloth shall, at the expense of the persons concerned, be fumigated on its arrival at Havana—the only port by which its importation is allowed—or receive such other treatment as is specified by the "Departmento de Sanidad Vegetal." (Revista de Agricultura, Comercio y Trabajo, Publicacion mensual, organo oficial de la Secretaria de Agricultura, Comercio y Trabajo, Habana, Cuba, 1928, ano XI, vol. 10, num. 5, pag. 47.)

[Decree No. 1201, August 26, 1932]

SEED POTATOES

The importation of seed potatoes is permitted from Canada, Bermuda, Canary Islands, and the United States of America, provided a certificate covering the

shipment is issued by appropriate official authorities with the Cuban consul visa verifying that they are certified seed potatoes in good sanitary condition. The Federal or State governments or grower's associations designated by colleges of agriculture, may issue such certificates, and the certificate must attest that the potatoes have been inspected twice in the field during the growing season and once at digging time by official inspectors. Each container must carry an official tag or label on which is indicated the place of origin, variety, number of certificate concerning quality, identity of grower, and net weight of contents.

PENALTIES IMPOSED FOR VIOLATIONS OF THE PLANT QUARANTINE ACT

According to reports received by the Bureau during the period October 1 to December 31, 1941, penalties have recently been imposed by the proper authorities for violations of the Plant Quarantine Act, as follows:

QUARANTINES AFFECTING MEXICAN PRODUCTS

In the case of the United States versus the persons listed below, for attempting to smuggle in contraband plant material, the penalties indicated were imposed by the United States customs officials at the following ports:

Name	Port	Contraband	Penalty
Edmund Alvarado	San Ysidro, Calif	3 stalks sugarcane	$1
Mauricia Velasquez	do	18 nodes sugarcane	1
Alberto Cosico	do	44 nodes sugarcane	1
Alvero Moro	do	14 guavas	1
Dolores Gomez de Spencer	do	45 nodes sugarcane	1
Maria Webb Martinez	Brownsville, Tex	47 pods of okra	1
Mrs. Donald Orhsen	do	1 apple	1
Florencia R. de Pohlamo	do	10 plants	1
Jose Salinas	do	8 oranges	1
William Wood	Eagle Pass, Tex	1 apple	1
Maximina Fuentes	do	16 haws	1
Maria M. de Moral	do	2 apples and 5 oranges	1
Andres S. Rivera	do	1 pomegranate	1
Isabel Guerrero	do	1 avocado	1
Teresa Espinosa	do	1 cherimoya and 1 orange	1
Manuel Gomez	do	8 avocados	1
Cristina Arellano de Sepulveda	do	5 plants	1
Maria Delgado	do	1 orange	1
Maria Ninfa Verala	do	4 guavas	1
Guadalupe Vasquez de Rubio	do	7 plants, 5 guavas, 2 mango seeds, and 4 avocado seeds.	1
Edelia Ramon	do	5 stalks sugarcane	1
Manuel Valero	do	2 oranges	1
Felicitas Trevino de Villanueva	do	3 pomegranates	1
Maria Maya Perez	El Paso, Tex	25 guavas, 9 sapotes, 4 sapote seeds, and 4 ounces cherimoya seeds.	1
Juan Alvarez	Hidalgo, Tex	1 avocado	1
Leonor S. Garza	do	do	1
Concepion Saenz	do	2 quinces	1
Lupe Gonzalalez	do	4 avocados	1
Barbara B de Riveda	do	1 avocado	1
Juan Perez	do	7 avocados	1
Cecila Herrera	do	2 avocados	1
Delfina Luna	do	3 avocados	1
Jose Vasquez	do	do	1
Maria Luz Espinosa	do	1 avocado	1
[illegible] Garza	do	2 avocados	1
Gregoria Gonzales	do	4 avocado seeds	1
Carmen de la Garza	do	1 avocado	1
Jesus Maria Gonzales	do	do	1
Marcelina P. Perez	do	8 sweetpotatoes	1
Manucla Perez	do	7 plants	1
Evarieta Davila	do	18 plants	1
A. B. Vela	do	1 guava	1
Anselina Guerra	do	1 plant	1
Maria Cantu	do	4 avocados	1
Benito Vera	do	2 apples	1
Manuel Garcia	do	1 guava	1
E. Perez	do	5 avocados	1
H. L. McIntire	do	2 plants	1
Tomasa Tizerina	do	2 avocados	1
Louisa Rivera	do	2 plants and 8 ounces tree seed	1
Maria Molina	do	2 avocados	1
Guillerma Perez	do	do	1

Name	Port	Contraband	Penalty
Simona Buena	Laredo, Tex	8 avocados	$1
Angelina M Cantu	do	26 plants	1
Paula Garcia	do	4 plants	1
Eva Garcia	do	1 plant	1
Maria Salas P	do	3 plants	1
Mrs. R. Moreno	do	2 plants	1
Mrs. Rufina Herrera	do	1 avocado	1
Elodia Rodriquez	do	1 orange	1
Jose Quiros	do	4 avocados	1
Jaime Villalabos	do	4 avocados, 8 apples, and 1 orange.	1
Edward J. Rivas	do	3 apples and 2 avocados	1
Maurice Santos	do	3 oranges	1
Delgado Ramirez	do	98 haws	1
Mike Jacaman	do	1 plant	1
Manuela Garcia	do	1 orange	1
Joe Medina	do	36 nodes sugarcane	1
Praxedis Balladolid	do	4 plants	1
Soledad A. Sanchez	do	4 oranges and 1 maypop	1
L. Deaba	do	13 maypops, 2 cherimoyas, and 2 apples.	2
Fred C. Wolff	do	3 ponderosa lemons	1
Mary Dry	do	1 cherimoya and 4 guavas	1
T. W. Beall	do	5 oranges	1
Rafaela P. Garcia	do	7 guavas	1
Francisco Cantu	do	5 sour limes and 3 plants	1
M. H. Quiroz	do	2 plants	1
Mrs. Juan Villa	do	3 plants and 2 avocados	1

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E. G. Brewer, *in Field Charge, Japanese Beetle and Gypsy Moth and Brown-Tail Moth Quarantines, European Corn Borer Certification, and Dutch Elm Disease Eradication* (headquarters, *Bloomfield, N. J.*).
R. E. McDonald, *in Field Charge, Pink Bollworm and Thurberia Weevil Quarantines* (headquarters, *San Antonio, Tex.*).
P. A. Hoidale, *in Field Charge, Mexican Fruitfly Quarantine* (headquarters, *Harlingen, Tex.*).
Claude Wakeland, *in Field Charge, Grasshopper Control* (headquarters, *Denver, Colo.*)
A. C. Baker, *in Field Charge, Fruitfly Investigations* (headquarters, *Mexico City, Mexico*).

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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

SERVICE AND REGULATORY ANNOUNCEMENTS

LIST OF INTERCEPTED PLANT PESTS, 1941

(List of Pests Recorded During the Period July 1, 1940, to June 30, 1941, Inclusive, as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

INTRODUCTION

This report covers the twenty-eighth year for which records of interceptions have been issued. The data in the main detailed table are arranged under alphabetical lists of the pests and pathogens, as was done last year for the first time, but three columns headed "Consumption," "Nonentry," and "Propagation" have been substituted for the five columns headed "Cargo," "Mail," "Baggage," "Quarters," and "Stores." Items in the "Consumption" column include pests and pathogens found in, on, or with material offered for entry for consumption, as food or feed, and for use in manufacturing or processing, as well as packing for these and other materials, whether or not their entry was permitted. Since such materials are often so distributed or so handled as to enable accompanying pests to become established, items in this column may represent considerable risk. Items in the "Nonentry" column include organisms found associated with nonentry material, e. g., in stores and quarters, or en route to other countries. Such findings usually represent a relatively smaller risk, as temporary safeguarding is all that is necessary, although flying insects, air-borne pathogens, and garbage may require prompt attention to eliminate danger. Items in the "Propagation" column include some of the insects, pathogens, and related or associated forms of interest found in, on, or with plant material offered for entry for propagation purposes and believed to be associated with that material. Insects and diseases found in, on, or with the packing materials and clearly not associated with the propagation material would be listed in the "Consumption" column, if listed at all. While the quantity of material offered for entry for propagation is relatively small, interceptions on such material are important because if the parasites were allowed to go forward they would be likely to become established and distributed with their hosts. Thus the three new groups have been adopted as giving a more accurate reflection of the relative pest risk represented by the items listed therein than did the five groups used heretofore.

It may be noted that a considerable proportion of the pests listed in the detailed table were found in, on, or with material for propagation in spite of the relatively small volume of such material. Among the factors contributing to this result are the more intensive inspection of such of this material as is entered in limited quantities under special permit, the fact that some of this material represents types not previously imported in such volume or over a long enough period of time to insure establishment of their pests, and the further fact that much of it comes directly or indirectly from relatively new or unusual points of origin.

While many of the plant materials entered in large quantities carry few new pests, there are, from time to time, initial shipments of new products as well as of old products from new areas. Then, too, faster transportation and refrigeration aid additional pests from various parts of the world in gaining a foothold in areas from which we have imported for many years. Many of our relatively common pests and diseases vary considerably on different hosts and under different environmental conditions. New foreign insects and, especially, new foreign plant diseases may so closely resemble variants of species already established here that extreme care is required to detect them. Any insect or disease record which has not been published sufficiently often to establish it as a more or less regular finding may be included in the detailed table as a matter of interest.

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War conditions resulted in reduction or elimination of interceptions from some countries, but the number of interceptions listed in the detailed table shows less change than has resulted from other factors in times past.

NOTES ON INSECTS INTERCEPTED

FRUITFLIES

Anastrepha fraterculus was intercepted at Boston in grapefruit in stores from Argentina and Trinidad. The Mexican fruitfly (*Anastrepha ludens*) was intercepted 173 times in 9 different hosts in baggage, quarters, and stores from Mexico. *A. mombinpraeoptans* was taken 35 times in 3 different hosts in baggage, mail, quarters, and stores from 7 countries. The dark fruitfly (*A. serpentina*) was taken 13 times in 4 hosts in baggage, mail, and quarters from Colombia, Mexico, and Trinidad. *A. suspensa* (larva) was intercepted in grapefruit and guava in baggage and stores from Cuba, Haiti, and Puerto Rico and (puparium) in bag of guavas and genips in baggage from Puerto Rico. The Mediterranean fruitfly (*Ceratitis capitata*) was intercepted 10 times in 8 different hosts in baggage and stores from 6 countries. The melon fly (*Dacus cucurbitae*) was taken at San Diego in string beans in quarters from Hawaii. The celery fly (*Philophylla heraclei*) was intercepted at New York in celery in stores from England. The apple maggot (*Rhagoletis pomonella*) was intercepted 4 times at Laredo in red haw and apple in baggage from Mexico. The papaya fruitfly (*Toxotrypana curvicauda*) was taken only once during the year, in papaya in baggage from Mexico.

INSECTS OTHER THAN FRUITFLIES

In addition to the usual insects of major importance, such as the pink bollworm (*Pectinophora gossypiella*), the West Indian sweetpotato weevil (*Euscepes postfasciatus*), the Asiatic rice borer (*Chilo simplex*), the East Indian bean pod borer (*Maruca testulalis*), the yam weevil (*Palaeopis costicollis*), the citrus blackfly (*Aleurocanthus woglumi*), and the turnip gall weevil (*Ceutorhynchus pleurostigma*), many of the insects in the detailed table have been intercepted for the first time, or for the first time on the host indicated, or for the first time from the country indicated, or are of special interest for some other reason. References to "first record" in these notes refer to our interception records only. The insects fall in different groups, cover a wide host range, and come from many parts of the world, e. g., *Aonidiella comperei* (Coccidae) (first record on grape and first record from Haiti), *Xanthophthalma concinnum* (Coccidae) (first record for files), *Bruchidius incarnatus* (Bruchidae) (first record in broadbean and reported as seriously injurious to broadbeans in Egypt), *Eurytoma pistaciae* (Eurytomidae) (first record for files), *Euxesta annonae* (Otitidae) (first record in corn, also first record from Cuba and Bahamas), *Limothrips denticornis* (Thripidae) (first record on *Helleborus niger*), and *Mordellistena chapini* (Mordellidae) (first record from Peru).

NOTES ON PLANT DISEASES INTERCEPTED

The data regarding completely determined pathogens included in the main table are readily found. However, attention is called to the fact that citrus canker (*Bacterium citri*) was intercepted on several hosts and from several countries, the sweet orange scab (*Elsinoe australis*) continued to be found occasionally in citrus from South America, and that citrus black spot (*Phoma citricarpa*), long known in the orient, is now established in South Africa and was found on citrus fruit from there. Lima bean scab (*Elsinoe phaseoli*), which is so common on shipments from Cuba that it is listed among the common diseases, continued to be found more or less frequently. *Helminthosporium allii*, which occurs as dark mycelium and spores, especially on garlic from Mexico, is another pathogen which has been found so often that it is listed as a common disease. A fungus new to our interception lists is *Dendrodochium lycopersici*, heretofore known from Belgium, found on tomatoes from Mexico. One or more of the oriental strains of the lespedeza rust (*Uromyces lespedezae-procumbentis*) was intercepted again with seed from Japan. The so-called Dutch elm disease (*Ceratostomella ulmi*) was found again on several lots of elm crating from England. A new disease tentatively determined as caused by *Sclerotinia kerneri*, a fir pathogen described from Austria and not known to occur in North America, was found on Christmas trees from Newfoundland and on greens from Nova Scotia. An examination of the list of fungi found on orchids shows that they continue to furnish a variety of new records.

COMMON PESTS INTERCEPTED

Many pests and diseases known to occur in this country or found frequently on certain material offered for entry are recorded on tally sheets instead of on the more complete record forms. While many of the findings of these common forms never get recorded at all, enough are recorded to aid in giving a picture of the condition of material inspected, from the standpoint of pests present. It is recognized that foreign strains of some of these common pests and diseases might be destructive if established here, but inspectors would have no way of determining that point. In the following summary of these pest and disease records the numbers following the names of the organisms indicate the number of countries from which interceptions were made and the total number of records made during the year.

INSECTS

Common insects intercepted 10 or more times, and recorded, included *Acanthoscelides obtectus* (5–114), *Ahasverus advena* (18–42), *Anthonomus eugeniae* (3–5,353), *Aonidiella aurantii* (8–19), *Aphis gossypii* (14–218), *Araecerus fasciculatus* (14–43), *Aspidiotus camelliae* (10–15), *A. cyanophylli* (8–18), *A. hederae* (15–89), *A. lataniae* (19–177), *A. perniciosus* (5–31), *Brevicoryne brassicae* (7–151), *Carpocapsa pomonella* (8–211), *Cathartus quadricollis* (3–53), *Ceratapliis lataniae* (9–95), *Chrysomphalus aonidum* (14–69), *C. dictyospermi* (12–59), *Coccus hesperidum* (17–80), *Diaspis boisduvalii* (21–437), *D. bromeliae* (4–466), *Ephestia cautella* (4–20), *Etiella zinckenella* (7–143), *Frankliniella williamsi* (1–166), *Gnorimoschema operculella* (13–168), *Heliothis armigera* (9–6,997), *H. virescens* (6–179), *Hippodamia convergens* (1–90), *Howardia biclavis* (8–37), *Laphygma frugiperda* (4–665), *Lasioderma serricorne* (8–30), *Lepidosaphes beckii* (29–162), *L. gloverii* (7–21), *Macrosiphum solanifolii* (5–230), *Myzus persicae* (9–396), *Necrobia rufipes* (7–31), *Oryzaephilus surinamensis* (7–89), *Parlatoria pergandii* (10–35), *P. proteus* (9–39), *Pinnaspis aspidistrae* (4–23), *P. minor* (5–127), *Plodia interpunctella* (8–90), *Pseudococcus adonidum* (9–17), *P. brevipes* (7–465), *P. citri* (12–54), *P. maritimus* (8–14), *Rhizoglyphus hyacinthi* (9–61), *Rhizopertha dominica* (3–69), *Rhopalosiphum pseudobrassicae* (3–95), *Saissetia hemisphaerica* (19–160), *S. nigra* (7–32), *S. oleae* (11–30), *Selenaspidus articulatus* (12–23), *Sitophilus oryza* (13–68), *Sitotroga cerealella* (6–24), *Tenebroides mauritanicus* (7–26), *Thrips tabaci* (13–291), *Tribolium castaneum* (12–39), *T. confusum* (2–28), and *Typhaea stercorea* (6–70).

In addition to the listed species of common insects, there were 5,100 interceptions belonging to 678 different species which were not deemed to be of sufficient importance from the plant-quarantine viewpoint to warrant listing them by species. Total of insects included in this paragraph, 24,044.

DISEASES

Common plant diseases intercepted 10 or more times, and recorded, included *Actinomyces scabies* (32–203), *Albugo candida* (2–72), *Alternaria solani* (2–190), *A. tomato* (2–1,991), *Aplanobacter michiganense* (1–31), *Aspergillus niger* (27–383), *Bacillus carotovorus* (9–29), *Bacterium marginatum* (5–13), *B. phaseoli* (2–58), *B. punctilans* (1–199), *B. vesicatorium* (5–2,468), *Botrytis cinerea* (16–86), *B. tulipae* (1–16), *Capnodium citri* (8–13), *Cephalothecium roseum* (12–63), *Ceratostomella adiposum* (2–20), *C. fimbriata* (2–41), *C. paradoxa* (18–269), *Cercospora beticola* (3–774), *C. rosicola* (1–63), *Cladosporium cucumerinum* (1–13), *C. fulvum* (2–175), *Colletotrichum circinans* (3–256), *C. gloeosporioides* (13–668), *C. lindemuthianum* (10–148), *C. orchidearum* (5–30), *C. phomoides* (1–25), *Cylindrosporium chrysanthemi* (1–12), *Diaporthe phaseolorum* (1–11), *Diplocarpon rosae* (4–37), *Diplodia natalensis* (21–49), *Elsinoe fawcettii* (13–45), *E. phaseoli* (2–387), *Erysiphe graminis* (3–45), *E. polygoni* (2–62), *Fusarium moniliforme* (2–10), *Gloeosporium limetticolum* (9–149), *G. musarum* (4–32), *Glomerella cingulata* (8–58), *Helminthosporium allii* (3–149), *H. sativum* (3–29), *Heterodera marioni* (15–17), *Mycosphaerella pinodes* (4–23), *Oospora lactis parasitica* (5–67), *Penicillium digitatum* (12–30), *P. italicum* (9–17), *Pestalozzia guepini* (4–15), *Phoma destructiva* (4–50), *Phomopsis citri* (21–138), *P. vexans* (5–427), *Phytophthora infestans* (6–80), *P. terrestria* (2–319), *Puccinia allii* (8–18), *P. chrysanthemi* (1–10), *P. graminis* (20–53), *P. porrii* (4–19), *P. rubigo-vera* (13–53), *P. tageticola* (1–23), *Pucciniopsis caricce* (3–55), *Pythium debaryanum* (1–24), *Rhizoctonia bataticola* (2–16), *R. solani* (18–706), *Rhizopus nigricans* (23–590), *Sclerotinia sclerotiorum* (8–17), *Sclerotium oryzae* (12–55), *S. rolfsii* (3–17), *Septoria apii* (7–10), *Sphaceloma perseae* (3–418), *Spondylocladium atrovirens* (15–52), *Uromyces phaseoli typica* (2–51), *Ustilago zeae* (2–16), *Venturia inaequalis* (16–41), *V. pyrina* (3–19), and *Verticillium cinnabarina* (12–41).

In addition to the listed species of common diseases, there were 212 interceptions belonging to 83 different species which were intercepted less than 10 times each. Total of diseases included in this paragraph, 13,071.

INCOMPLETELY DETERMINED PESTS

Many insects and pathogens are in such a condition that no accurate determination is possible Others are new to science or belong in species not represented in the collections of authoritative material and are not described in sufficient detail to make positive determinations possible.

INSECTS

Among the incompletely determined insects were a number of fruitflies. *Anastrepha* sp., probably *fraterculus* (Wied.), was intercepted at Baltimore, Mobile, and New York in grapefruit, guava, mango, and orange in baggage, quarters, and stores from Argentina, Brazil, Trinidad, and Venezuela. *Anastrepha* sp., probably *ludens* (Lw.) was taken at Laredo in orange and corn in baggage from Mexico. *Anastrepha* sp., probably *mombinpraeoptans* Sein, was intercepted at New Orleans and New York in mango in baggage from Honduras and Puerto Rico. *Anastrepha* sp., probably *serpentina* (Wied.), was taken at Boston in grapefruit in stores from Argentina. *Anastrepha* sp. was intercepted at Boston, Brownsville, El Paso, Laredo, and New Orleans in grapefruit, guava, mango, sapote, and *Spondias mombin* in baggage and stores from Argentina, Canal Zone, Mexico, and Trinidad. *Ceratitis* sp. was taken at Boston and Philadelphia in grapefruit and orange in stores from the Union of South Africa. *Epochra* sp. was intercepted at El Paso in currant in baggage from Mexico. *Xanthaciura* sp. was intercepted at New York in *Ageratum* sp. in baggage from Jamaica. Four interceptions which could not be identified beyond family (Euribiidae) were made at Calexico, Calif., El Paso, Inspection House in Washington, D. C., and New Orleans in *Agaricus campestris*, *Elaeagnus* sp., and *Ribes* sp., and under box of fruit on deck of ship, from Cuba, Iran, and Mexico.

The following thrips could be identified to genus only: *Diceratothrips* sp. intercepted at Brownsville and Laredo on pineapple in cargo from Mexico; *Hoplandrothrips* sp. intercepted at Brownsville, Inspection House in Washington, D. C., Honolulu, and San Francisco on *Cattleya* spp., kapok, *Oncidium varicosum*, unnamed orchid, *Phalaenopsis leucorrhoda*, pineapple, *Prunus* sp., and *Vanda luzonica* in cargo and mail from Brazil, Canal Zone, Colombia, Japan, Mexico, and Philippines; *Isochaetothrips* sp. intercepted at Brownsville on Cape-jasmine in baggage and cargo from Mexico; *Karnyothrips* sp. intercepted at San Francisco on *Oncidium ornithorhynchum* in cargo from Guatamala; *Neurothrips* sp. intercepted at Brownsville on pineapple in cargo from Mexico.

The following whiteflies could be identified to genus only: *Aleurocanthus* sp. intercepted at New Orleans on dry leaves in mail from British Honduras; *Aleurodicus* sp. intercepted at Brownsville on orchid in baggage from Mexico; *Aleuroparadoxus* sp. intercepted at Inspection House in Washington, D. C., on *Eugenia cauliflora* in cargo from Brazil; *Aleurothrixus* sp. intercepted at Brownsville on Cape-jasmine in baggage from Guatemala; *Aleurotrachelus* sp. intercepted at Hoboken, New York, and San Francisco on bromeliad, *Laurus nobilis*, orchid, and *Tillandsia* sp. in cargo, mail, and stores from Brazil, Costa Rica, and Guatemala; *Tetralicia* sp. intercepted at Nogales on oak leaf in baggage from Mexico.

In addition to the foregoing incompletely identified insects, the following miscellaneous insects were intercepted: *Ambia* sp., probably *fulvitinctatis* Hamps. (Pyraustidae), was intercepted at Brownsville in an airplane from Guatemala. *Apsilocephala* sp. (Therevidae) (new to the Museum collection) was intercepted at El Paso in mustard in cargo from Mexico. *Aspidobothrys* sp. (Miridae) was intercepted at Hoboken and San Francisco on *Cattleya mossiae*, *Cattleya* sp., and unnamed orchid in cargo from Colombia and Venezuela. *Autographa* sp., probably *brassicae* Riley, was taken at Brownsville in string bean in baggage from Mexico. *Aximogaster* sp. (Eurytomidae) was intercepted at Hoboken on orchid in cargo from Colombia and Venezuela. *Bruchus* sp., probably *flexicaulis* (Schaeffer) (Bruchidae), was intercepted at Brownsville in ebony bean in baggage from Mexico. *Bruchus* sp., probably *guttalis* Rey. (Bruchidae), was taken at New Orleans and New York in vetch seed in cargo from Brazil and Portugal. *Bythoscopus* sp., probably *rufoscutellatus* (Baker) (Cicadellidae), was intercepted at Laredo on feverfew in baggage from Mexico. *Calendra* sp., perhaps *phoeniciensis* Chttn. (Curculionidae), was intercepted at El Paso in radish in cargo from Mexico.

Ceutorhynchus sp., probably *quadridens* Panz. (Curculionidae), was taken at New York in cabbage in stores from England. *Chilo* sp. (Crambidae) was intercepted at Calexico, Calif., on lemon grass and sugarcane in baggage from Mexico. *Conotrachelus* sp., near *similis* Boh. (Curculionidae), was intercepted at Portland, Oreg., in sapote in quarters from Cuba. The termite *Coptotermes* sp. was taken at Portland, Oreg., in taro in cargo from China. *Curculio* sp., probably *elephas* (Gyll.) (Curculionidae), was intercepted at Philadelphia in chestnut in stores from Spain. *Cylas* sp., probably *femoralis* Faust (Curculionidae), was taken in sweetpotato at Baltimore in stores from Gold Coast, Africa. *Cylindrocopturus* sp., near *adspersus* (Lec.) (Curculionidae), was intercepted at Brownsville in *Agave* sp. in baggage from Mexico. *Gonatas* sp. (Lygaeidae) was taken at Hoboken with *Cattleya* sp. in cargo from Venezuela. *Heliodines* sp., probably *bella* (Chamb.) (Heliodinidae), was intercepted at El Paso and Nogales in pepper, purslane, and Swiss chard in baggage from Mexico. *Homoeosoma* sp., probably *electellum* (Hlst.) (Phycitidae), was intercepted at Brownsville on chrysanthemum in cargo from Mexico. *Marmara* sp. (Gracilariidae) was intercepted at Brownsville, Hidalgo, New York, and Nogales in avocado, grapefruit, orange, and pepper in baggage, cargo, and stores from Mexico and Trinidad. *Merodon* sp. (Syrphidae) was taken at Hoboken and San Francisco in *Gladiolus* sp. and narcissus bulb in baggage and mail from Canada and Turkey. *Neodryoccetes* sp. (Scolytidae) was intercepted at New York in *Erythrina* sp. seed in cargo from Trinidad. *Neolecanium* sp. (Coccidae) was intercepted at Laredo on *Cereus* sp. in cargo from Mexico. *Neopithophthorus* sp. (Scolytidae) was taken at New York in wood in cargo from Mexico. *Scolytus* sp. (Scolytidae) was intercepted at New York in elm in cargo from England. *Tinea* sp. (Tineidae) was intercepted at New York on mushroom in cargo from China.

In addition to the incompletely determined insects listed above, there were 6,275 interceptions which could be identified to genus only. These were distributed among 714 genera. A total of 198 could be determined to family, subfamily, or tribe only. Total of insects included in this paragraph, 6,773.

DISEASES

Of the partially determined plant disease interceptions which were recognized to be unusual more than half (mostly on orchids) were found on material offered for entry for propagation. Those on orchids included *Collectotrichum* sp., with spores too narrow for *C. orchidearum* All., on *Odontoglossum* hybrids from England; *Coniothyrium* sp., with spores larger than in any species reported on orchids, on *Epidendrum aurantiacum* from Guatemala; *Gloeosporium* sp., with spores longer than those or *G. cypripedii* Verpl. (the only species reported for the host genus), on *Cypripedium callosum* from Thailand; *Gloeosporium* sp., no species recorded on the host genus, on *Trichopilia tortilis* from Guatemala; *Microthyrium* sp., no previous reports found for orchids, on *Epidendrum* sp. from Mexico; *Mycogone* sp., no species reported on orchids, on *Cattleya* sp. from Brazil; *Phyllosticta* sp., unlike any species described on orchids, on *Cattleya* sp. from Brazil, *Cypripedium* sp. from England, *Dendrobium phalaenopsis* from the Philippines, and *Schomburgkia humboldtii* from Venezuela; *Scolecopeltidium* sp., or a related form in this imperfectly known group of fly-speck fungi, on orchids from Brazil; and *Uredo* sp. (no rust has been reported for the host genus) on *Miltonia vexilans* from Mexico.

Other partly determined pathogens on material for propagation included *Glomerella* sp. (no species reported on host genus) on *Stenospermation sessile* (a climber of the arum family) from Guatemala; *Phyllosticta* sp., unlike any described species, found on ash (*Fraxinus ornus*) seed from Italy; *Pratylenchus* n. sp., a new nematode, found in a *Lilium longiflorum* bulb from Cuba; and *Pestalozzia* sp. (no species found reported on the genus) on *Marica coerulea grandiflora* (an iris relative) from Costa Rica.

While material entered for consumption does not represent such acute danger as propagation material, there is often a possibility that such material may be so handled as to permit escape and establishment of accompanying pests and diseases. Among the partially determined fungi found on material in the consumption entry class were *Cercospora* sp., possibly the same one found on this host in Florida, on avocados from Mexico; *Cercospora* sp. on husk tomato from Mexico; *Gloeosporium* sp., no species described for host genus, on cattails used to pack fish from Mexico; *Sphaeropsis* sp., closely resembling the apple black rot pathogen (*S. malorum*), on a pine cone from Mexico; *Sphaeropsis* sp., so determined although it did not have the characters of the genus, on *Citrus medica* from Palestine; *Ophiobolus* sp., not *O. graminis*, on grass from Liberia; *Rosellinia* sp. on wild grass

from Mexico; *Phoma* sp., a doubtful determination, on *Passiflora edulis* in air baggage from the Azores; *Puccinia* sp., unlike rusts reported for the host, on *Phragmites communis* from Mexico; *Phyllosticta* sp., spores apparently too small for *P. lagerstroemiae*, on crapemyrtle from Mexico; *Phyllosticta* sp., no species reported on host, on *Lawsonia inermis* (henna) from Anglo-Egyptian Sudan; and *Ceratophorum* sp., unlike *C. setosum* which causes a leaf disease of legumes, on *Erythroxylon coca* (cocaine tree) in several shipments from Peru.

A total of 6,564 partially determined pathogens from inspected materials were recorded during the year. These pathogens represented 113 genera.

ENTOMOGENOUS FUNGI

Collections of entomogenous fungi reported during the year included *Acrostalagmus albus* on aphids on a radish in stores from Puerto Rico; *Aschersonia* sp. on unnamed host on a citrus leaf from Puerto Rico; *Cephalosporium lecanii* Zimm. on *Coccus acuminatus* on Cape-jasmine from Canal Zone and Cuba and on gardenia from Costa Rica and Panama, on *Coccus viridis* on Cape-jasmine from Cuba (13) and Venezuela and on gardenia from Cuba (2), and on *Protopulvinaria pyriformis* on gardenia from Costa Rica; *Myriangium duriaei* Mont. & Berk. on *Lepidosaphes beckii* on citrus from Bahamas and Dominican Republic; and *Nectria diploa* on *Lepidosaphes beckii* on grapefruit from Bahamas, Cuba (2), Honduras (2) and Puerto Rico, on orange from Bahamas and Cuba (2), on sweet lemon from Cuba, on lime from Puerto Rico, and on citrus leaf from Cuba; on *L. gloverii* on citrus leaf from Cuba; on *Selenaspidus articulatus* on grapefruit from Honduras and Puerto Rico.

Geographic summary of interceptions listed in main table and interception totals

Country	Insects	Diseases	Country	Insects	Diseases
Africa:	*Number*	*Number*	Europe—Continued.	*Number*	*Number*
Africa	0	1	Turkey	0	1
Angola	1	0	Yugoslavia	0	1
British East Africa	1	0	North America:		
Canary Islands	1	0	Bermuda	3	4
Egypt	1	0	Canada	16	5
Ethiopia	1	0	British Columbia	1	1
Gold Coast	1	0	Nova Scotia	0	1
Kenya	0	2	Central America:		
Medeira Islands	1	1	British Honduras	1	0
Union of South Africa	6	7	Canal Zone	27	4
Asia:			Costa Rica	16	38
China	47	8	Guatemala	67	14
Chosen	2	0	Honduras	21	2
French Indo-China	2	0	Panama	7	1
India	9	2	Greenland	0	1
Iran	14	0	Mexico	8,622	498
Japan	137	42	Newfoundland	0	3
Malaya (British)	1	0	West Indies	1	0
Palestine	1	0	American Virgin Islands	6	0
Straits Settlements	2	0	Bahamas	35	2
Thailand	10	4	Barbados	3	0
Australasia:			Cuba	399	74
Australia	9	6	Dominica	1	0
Dutch East Indies	5	1	Dominican Republic	7	0
Fiji Islands	1	0	Guadeloupe	1	1
Hawaii	60	1	Haiti	14	25
Java	12	2	Jamaica	19	18
New Zealand	0	1	Martinique	0	1
Philippines	41	10	Puerto Rico	60	5
Queensland	1	0	St. Lucia	1	0
Sumatra	1	0	St. Vincent	2	0
Europe:			Tahiti	2	0
Azores	7	3	Trinidad	21	2
Belgium	1	0	Virgin Islands	4	1
England	77	38	South America:		
Europe	2	0	Argentina	18	8
France	6	3	Brazil	72	12
Greece	4	0	Chile	5	4
Hungary	1	1	Colombia	60	3
Ireland	1	2	Dutch Guiana	0	1
Italy	7	0	Ecuador	6	0
Netherlands	1	0	Peru	15	3
Portugal	38	5	Uruguay	1	1
Rumania	4	0	Venezuela	63	5
Scotland	4	0	Unknown	0	1
Spain	2	4			
Switzerland	1	0			

Geographic summary of interceptions listed in main table and interception totals—Continued

Country	Insects	Diseases	Country	Insects	Diseases
Total:	*Number*	*Number*	Total—Continued.		
Africa	13	11	Total (common pests, p. 3)	*Number* 24,044	*Number* 13,071
Asia	225	56	Total (incompletely determined pests, p. 4)	6,773	6,564
Australasia	130	21	Entomogenous fungi		30
Europe	156	58	Total insects	40,938	
North America	9,357	701	Total diseases		20,550
South America	240	37	Grand total		61,488
Unknown origin	0	1			
Total	10,121	885			

NOTE.—In addition to the countries named above, interceptions including those of common pests (p. 3) and of incompletely determined pests (p. 4) were made from Afghanistan, Anglo-Egyptain Sudan, Arabia, Batavia, Bolivia, British Guiana, British West Indies, Cape Verde Islands, Cook Islands, East Indies, Guernsey, Kahatola Islet (near Philippines), Liberia, Manchuria, Midway, Mozambique, Nevis, Nigeria, St. Kitts, Salvador, Sierra Leone, Surinam, Tonga Island, Transvaal, and Wales.

List of pests collected and reported from July 1, 1940, to June 30, 1941, inclusive

[All findings marked with an asterisk indicate State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Acanthoderes circumflexa Jac. Duv. (Cerambycidae):					
Tabebuia donnell-smithii (privamera)	Guatemala	4			N. Y.
Acanthoscelides armitagei (Pic.) (Bruchidae):					
Cajanus indicus (pigeonpea)	Venezuela			1	D. C.
Acanthoscelides dominicanus (Jekel) (Bruchidae):					
Caesalpinia coriaria (divi-divi)	Colombia	1			Mass.
Acanthoscelides flexicaulis (Schaeffer) (Bruchidae):					
Pithecollobium flexicaule (ebony bean)	Mexico	1			Tex.
Acanthoscelides sallaei (Sharp) (Bruchidae):					
Acacia farnesiana	do	1			Tex.
Acroleucus tullus (Stal) (Lygaeidae):					
Gardenia florida (Cape-jasmine)	do	1			Tex.
Acroleucus vicinalis Dist. (Lygaeidae):					
Ananas sativus (pineapple)	do	1			Tex.
[illegible]	do	1			Tex.
Aeolus dorsalis (Say) (Elateridae):					
Allium cepa (onion)	do	1			Tex.
Chrysanthemum sp.	do	1			Tex.
Aganectesis indecora Dyar (Galleriidae):					
Cassia fistula (golden-shower)	Dominica, Panama	2			Mass., N. Y.
Agromyza salicis Malloch (Agromyzidae):					
Salix sp. (willow)	Canada			1	N. J.
Aleurocanthus woglumi Ashby (Aleyrodidae):					
Citrus aurantifolia (lime)	Cuba	1			Fla.*
Citrus aurantium (sour orange)	Bahamas	1			Md.
Aleuroplatus myricae Q. & B. (?) (Aleyrodidae):					
Pyrola sp.	Canada			1	Mass.
Aleurothrixus howardi (Quaint.) (Aleyrodidae):					
Citrus limonia (lemon)	Cuba	1			Fla.*
Aleyrodes spiraecoides (Quaint.) (Aleyrodidae):					
Linum sp. (flax)	Canada			1	Wash.
Allocoris incognita McA. & M. (Cydnidae):					
Antirrhinum majus (snapdragon)	Mexico	1			Ariz.
[illegible]	do	1			Ariz.
Alpheias conspirata Hein. (Galleriidae):					
Ananas sativus (pineapple)	do	24			Tex.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Amorbia emigratella Busck (Tortricidae):					
Chrysanthemum sp.	Mexico	1			Tex.
Lycopersicum esculentum (tomato)	do	1			Ariz.
Amphicerus cornutus (Fallas) (Bostrichidae):					
Cactus	do			1	Tex.
Daucus carota (carrot)	do	1			Tex.
Ficus carica (fig)	do	1			Tex.
Reed packing crate	do	2			Ariz.
Sambucus sp.	do	1			N. Y.
Amphorophora rhododendri (Wlsn.) (Aphiidae):					
Rhododendron sp.	Canada			2	Wash.
Anacentrinus deplanatus Csy. (Curculionidae):					
Chrysanthemum sp.	Mexico	2			Tex.
Zinnia sp.	do	1			Tex.
Anaphothrips orchidaceous Bagn. (Thripidae):					
Cymbidium sp. (orchid)	England			2	Calif.*
Dendrobium sp. (orchid)	do			1	N. J.
Lycaste skinneri alba (orchid)	Guatemala			1	N. J.
Odontoglossum sp. (orchid)	England			1	N. J.
Orchid	Venezuela	1			Tex.
Anaphothrips orchidii (Mlt.) (Thripidae):					
Amaryllis sp.	Madeira Islands			1	N. Y.
Anastrepha fraterculus (Wied.) (Euribiidae):					
Citrus grandis (grapefruit)	Argentina, Trinidad		2		Mass.
Anastrepha ludens (Lw.) (Euribiidae):					
Amygdalus persica (peach)	Mexico	2			Tex.
Casimiroa edulis (white sapote)	do	1			Tex.
Citrus grandis (grapefruit)	do	8	2		N. Y., Tex.
Citrus limetta (sweet lime)	do	6			Tex.
Citrus sinensis (orange)	do	114	11		Tex.
Cydonia oblonga (quince)	do	1			Tex.
Malus sylvestris (apple)	do	2			Tex.
Mangifera indica (mango)	do	15	1		Tex.
Persea americana (avocado)	do	10			Tex.
Anastrepha mombinpraeoptans Sein (Euribiidae):					
Mangifera indica (mango)	American Virgin Islands, Cuba, Dominican Republic, Haiti, Jamaica, Panama, Puerto Rico.	18	12		Fla.*, Md., N. Y., Pa., P. R., Tex., Va.
Psidium guajava (guava)	Puerto Rico	2			N. Y.
Spondias cytherea (golden-apple)	do	3			N. Y.
Anastrepha serpentina (Wied.) (Euribiidae):					
Citrus grandis (grapefruit)	Trinidad		7		Ala., La.
Mammea americana (mamey)	Mexico	2			Tex.
Mangifera indica (mango)	Colombia		3		Pa.
Sapote	Mexico	1			Tex.
Anastrepha suspensa (Lw.) (Euribiidae):					
Citrus grandis (grapefruit)	Haiti		2		N. Y.
Psidium guajava (guava)	Cuba, Puerto Rico	7			Fla.*, N. Y.
In bag of guavas and genips	Puerto Rico	1			N. Y.
Anoplium truncatum (Hald.) (Cerambycidae):					
Prosopis sp. (mesquite)	Mexico	1			Tex.
Anthonomus scutellaris Lec. (Curculionidae):					
Prunus domestica (plum)	do	1			Tex.
Anthonomus varipes Duval (Curculionidae):					
Solanum melongena (eggplant)	Cuba	3			N. Y.
Antonina crawii Ckll. (Coccidae):					
Arundinaria sp.	Japan			1	D. C.
Bambusa tulda	Puerto Rico			1	D. C.
Indocalamus herklotsii	China			1	D. C.
Indocalamus nanunicus	do			1	D. C.
Sinobambusa laeta	do			1	D. C.
Sinobambusa tootsii	do			1	D. C.
Antonina indica Green (Coccidae):					
Digitaria sp.	Philippines			1	Hawaii.*
Antonina tobai Kuw. (Coccidae):					
Arundinaria hindsi (ramrod bamboo)	China			1	D. C.

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		Consumption	Nonentry	Propagation	
Anuraphis apiifolia Theo. (Aphiidae):					
Apium graveolens (celery)	Portugal		1		N. Y.
Anuraphis tulipae (Fonsc.) (Aphiidae):					
Tiaridia sp	Netherlands			1	D. C.
Tulipa sp	Canada, England			5	N. Y., Wash.
Anypsipyla univitella Dyar (Phycitidae):					
Samanea saman (rain-tree)	Ecuador			1	D. C.
Aonidia lauri (Bouche) (Coccidae):					
Laurus nobilis (Grecian laurel)	Greece, Italy	3	1		N. Y.
Aonidiella comperei McK. (Coccidae):					
Vitis sp. (grape)	Haiti			1	N. J.
Aonidiella eugeniae (Hempel) (Coccidae):					
Eugenia cauliflora (jaboticaba)	Brazil			1	D. C.
Aonidiella inornata McK. (Coccidae):					
Cordyline terminalis (dracena)	Hawaii	1			Calif.*
Apatides fortis (Lec.) (Bostrichidae):					
Prosopis sp. (mesquite)	Mexico	1			Tex.
Aphalaroida inermis Crawf. (Psyllidae):					
Spinacia oleracea (spinach)	do	1			Ariz.
Aphis bambusae Full. (Aphiidae):					
Phyllostachys sp	China			1	D. C.
Apion longirostre Oliv. (Curculionidae):					
Malva sp	Iran			3	D. C.
Apion pomonae (F.) (Curculionidae):					
Vicia sp. (vetch)	Argentina	1			Ala.
Artipus floridanus Horn (Curculionidae):					
Medicago sativa (alfalfa)	Bahamas	1			Fla.*
Aspidiotus coryphae Ckll. & Rob. (Coccidae):					
Dendrobium schuetzei (orchid)	Philippines			1	Hawaii.*
Aspidiotus degeneratus (Leon) (Coccidae):					
Camellia japonica (camellia)	Japan			3	D. C., Wash.
Aspidiotus destructor Sign. (Coccidae):					
Amygdalus communis (almond)	Bahamas	1			Fla.*
Annona reticulata (custard-apple)	Puerto Rico	1			N. Y.
Annona sp	do	1			N. Y.
Aucuba sp	Japan		1		Calif.*
Carica papaya (papaya)	Mexico	1			La.
Cocos nucifera (coconut)	Cuba, Fiji Islands	2			Fla.*, Hawaii.*
Cymbidium sp. (orchid)	England			2	N. J.
Musa sp. (banana)	Cuba	2			Fla.*
Palm	do	1			Fla.*
Persea americana (avocado)	do	2			Fla.*
Roystonea regia (royal palm)	do	1	1	1	Fla.*
Terminalia catappa (tropical almond)	do	2			Fla.*
Aspidiotus diffinis Newst. (Coccidae):					
Spondias mombin (jobo)	Mexico	1			Tex.
Aspidiotus howardi Ckll. (Coccidae):					
Persea americana (avocado)	do	1			Tex.
Aspidiotus palmae Ckll. (Coccidae):					
Dendrobium sp. (orchid)	Philippines			1	Calif.*
Musa sp. (banana)	Honduras	1			Fla.*
Aspidiotus spinosus Comst. (Coccidae):					
Attalea cohune (cohune palm)	do			1	D. C.
Laurus nobilis (Grecian laurel)	Brazil		1		N. Y.
Mammea americana (mamey)	Cuba	3	1		Fla.*
Persea americana (avocado)	do	1			Fla.*
Roystonea regia (royal palm)	Honduras			1	D. C.
Aspidiotus tsugae Marl. (Coccidae):					
Tsuga sp. (hemlock)	Japan		1		Wash.
Asterolecanium aureum (Bdv.) (Coccidae):					
Cattleya dowiana (orchid)	Canal Zone, Costa Rica			2	N. J.
Cattleya sp	Brazil, Colombia, Costa Rica, Venezuela.			12	Calif.*, D. C., N. J.
Epidendrum ciliare (orchid)	Costa Rica			1	N. J.
Epidendrum sp	Haiti			1	D. C.
Oncidium kramerianum (orchid)	Costa Rica			1	Calif.*
Oncidium tigrinum	Mexico			1	Calif.*
Oncidium sp	Trinidad			1	Calif.*
Orchid	Brazil, Cuba, Venezuela.			4	N. J.
Trichopilia sp. (orchid)	Costa Rica			1	N. J.
Asterolecanium bambusae (Bdv.) (Coccidae):					
Bambusa tulda	Puerto Rico			1	D. C.
Bambusa sp	Cuba	2			N. Y.

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Asterolecanium bambusicola Kuw. (Coccidae):					
Bambusa sp.	China			1	D. C.
Asterol canium miliaris (Bdv.) (Coccidae):					
Bambusa sp.	Cuba	1			N. Y.
Asterolecanium miliaris longum (Green) (Coccidae):					
Bamboo	Guatemala	1			Mass.
Asterolecanium pustulans (Ckll.) (Coccidae):					
Chrysomphyllum cainito (star-apple)	Bahamas		1		Fla.*
Eugenia alba	Hawaii			1	Calif.*
Hibiscus sp.	do			3	Calif.*
Nerium oleander (oleander)	Bahamas		1		Fla.*
Theobroma cacao (cacao)	Cuba	1			Fla.*
Ataenius abditus Horn (Scarabaeidae):					
Zea mays (corn)	Mexico	1			Ariz.
Ataenius cribrithorax Bts. (Scarabaeidae):					
Soil	Cuba	1			N. Y.
Ataxia hubbardi Fisher (Cerambycidae):					
Vegetables	Mexico	1			Tex.
Atheas fuscipes Champ. (Tingitidae):					
Lactuca sativa (lettuce)	do	1			Tex.
Aufeius impressicollis Stal (Coreidae):					
Lycopersicum esculentum (tomato)	do	1			Ariz.
Aulacaspis mangiferae Newst. (Coccidae):					
Mangifera indica (mango)	Trinidad	1	1		Mass., N. Y.
Aulonium bidentatum (F.) (Colydiidae):					
Swietenia mahogani (mahogany)	Honduras	2			N. Y.
Tabebuia donnell-smithii (primavera)	Guatemala	1			N. Y.
Baldulus elimatus (Ball) (Cicadellidae):					
Lactuca sativa (lettuce)	Mexico	1			Tex.
Baldulus maidis (DeL. & W.) (Cicadellidae):					
Zea mays (corn)	do	1			Tex.
Barathra brassicae (L.) (Phalaenidae):					
Brassica oleracea capitata (cabbage)	England		1		Pa.
Brachyrhinus armadillo Rossi (Curculionidae):					
Fuchsia sp.	Italy		1		N. Y.
Brachyrhinus ovatus L. (Curculionidae):					
Dianthus sp. (carnation)	Canada			1	Wash.
Brachyrhinus rugosostriatus Goeze (Curculionidae):					
Unidentified plant root	do			1	N. J.
Brentus anchorago L. (Brentidae):					
Tabebuia donnell-smithii (primavera)	Guatemala	2			N. Y.
Brentus mexicanus Boh. (Brentidae):					
Cedrus sp. (cedar)	Honduras	1			N. Y.
Tabebuia donnell-smithii (primavera)	Guatemala, Mexico	9			La., N. Y.
Brochymena sulcata Van D. (Pentatomidae):					
Beta vulgaris (beet)	Mexico	1			Calif.
Daucus carota (carrot)	do	1			Calif.
Brontes australis Er. (Cucujidae):					
Juglans sp. (walnut)	Australia	1			Va.
Bruchidius incarnatus (Boh.) (Bruchidae):					
Vicia faba (fava bean)	Egypt		1		N. Y.
Bruchidius versicolor (Boh.) (Bruchidae):					
Podalyria argentea	Union of South Africa			1	Calif.*
Bruchus affinis Froh. (Bruchidae):					
Lathyrus latifolius (perennial pea)	England			1	Ill.
Bruchus dentipes (Baudi) (Bruchidae):					
Vicia faba (fava bean)	Iran			5	D. C.
Bruchus dentipes ochraceosignatus Heyden (Bruchidae):					
Vicia hybrida (vetch)	do			1	D. C.
Bruchus hamatus Miller (Bruchidae):					
Unidentified seed (forage plant)	Iran			1	D. C.
Bruchus lentis Froh. (Bruchidae):					
Lens sp.	do			2	D. C.
Bruchus luteicornis Ill. (Bruchidae):					
Vicia sp.	France	3			Ill., La.
Bruchus ramicornis Er. (Bruchidae):					
Vigna sinensis (cowpea)	Brazil			1	D. C.

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Bruchus rufipes Hbst. (Bruchidae):					
Vicia sp	France, Greece, Rumania	3		3	N. J., N. Y., Wash.
Bruchus tristiculus Fahr. (Bruchidae):					
Lathyrus odoratus (sweet pea)	Portugal	1			La.
Cacoscelis scriptipennis Jac. (Chrysomelidae):					
Orchid	Mexico			1	Tex.
Callidium rufipenne Motsch. (Cerambycidae):					
Lilium auratum (goldband lily)	Japan			1	Calif.*
On packing case	do		1		Calif.*
Callirhinus metallescens Bl. (Scarabaeidae)					
In automobile	Mexico		1		Tex.
Callosobruchus ademptus (Sharp) (Bruchidae):					
Pueraria thunbergiana (kudzu)	Chosen, Japan	2		4	Ill., Md., N. Y., Wash.
Callosobruchus analis (F.) (Bruchidae):					
Phaseolus aureus (mung bean)	China		2		Ga.
Phaseolus sp. (string bean)	Japan		1		Wash.
Vigna sp	Iran			1	D. C.
Callosobruchus chinensis (L.) (Bruchidae):					
Bean	Japan	2			Calif.*
Cajanus indicus (pigeon pea)	Puerto Rico	1			N. Y.
Cicer arietinum (chickpea)	India		1		N. Y.
Phaseolus angularis (adzuki)	China	1			N. Y.
Phaseolus aureus (mung bean)	Philippines		1		Ga.
Phaseolus radiatus	China	1			Wash.
Callosobruchus maculatus(F.) (Bruchidae):					
Allium cepa (onion)	Mexico	1			Ariz.
Cicer arietinum (chickpea)	do	2			N. Y., Tex.
Phaseolus aureus (mung bean)	Philippines		1		Ga.
Vigna sinensis (cowpea)	Brazil, Venezuela			2	D. C.
Vigna sp	Iran			1	D. C.
Calymmaderus oblongus (Gorh.) (Anobiidae):					
Cephalocereus senilis (oldman cactus)	Mexico			1	N. J.
Calymmus cucullatus Pasc. (Tenebrionidae):					
Cattleya sp. (orchid)	Guatemala			1	N. J.
Caryedon fuscus (Goeze) (Bruchidae):					
Tamarindus indica (tamarind)	Hawaii	1			Calif.*
Catorhintha guttula (F.) (Coreidae):					
Brassica rapa (turnip)	Mexico	1			Tex.
Caulophilus latinasus (Say) (Curculionidae):					
Cicer arietinum (garbanzo)	do	1			Tex.
Zingiber officinale (ginger)	China	1			Ill.
Caulotops agavis Reut. (Miridae):					
Beta vulgaris cicla (Swiss chard)	Mexico	1			Tex.
Celama sorghiella (Riley) (Nolidae):					
Zea mays (corn)	do	1			Tex.
Centrinaspis picumnus Hbst. (Curculionidae):					
Dahlia sp	do	1			Ariz.
Ceratitis capitata (Wied.) (Euribidae):					
Citrus nobilis deliciosa (tangerine)	Portugal	2			N. Y.
Citrus sinensis (orange)	Brazil		1		La.
Coffea sp	Hawaii		1		Calif.*
Ficus carica (fig)	Azores	1			N. Y.
Malus sylvestris (apple)	Portugal, Queensland		2		N. Y., Wash.
Mangifera indica (mango)	Hawaii	1			Calif.*
Pyrus communis (pear)	Canary Islands		1		Md.
Vitis sp. (grape)	Azores	1			N. Y.
Ceratocapsus cubanus Bergroth (Miridae):					
Brassica chinensis (white greens)	Cuba	1			N. Y.
Ceratocapsus fuscosignatus Kngt. (Miridae):					
Zea mays (corn)	Mexico	1			Tex.
Ceratocapsus punctulatus (Reut.) (Miridae):					
Brassica rapa (turnip)	do	1			Tex.
Ceratopus bisignatus Boh. (Curculionidae):					
Musa sp. (banana)	do	1			La.
Ceroplastes ceriferus (And.) (Coccidae):					
Camellia sasanqua (sasanqua tea)	Japan			1	Calif.*

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Ceroplastes floridensis Comst. (Coccidae):					
Camellia japonica (camellia)	Japan			1	Wash.
Gardenia florida (Cape-jasmine)	Mexico	1			Tex.
Ceroplastes rubens Mask. (Coccidae):					
Alyria olivaeformis	Hawaii	1			Calif.*
Anthurium sp	do	1			Calif.*
Camellia japonica (camellia)	Japan			2	Wash.
Cocos nucifera (coconut)	Hawaii			1	Calif.*
Magnolia salicifolia	Japan			1	Wash.
Ceroplastes rusci (L.) (Coccidae)					
Ficus carica (fig)	Portugal	1			N. Y.
Ceutorhynchus pleurostigma Marsh. (Curculionidae):					
Brassica campestris (rutabaga)	England		1		Pa.
Brassica rapa (turnip)	do		4		Ga., Pa., Va., Tex.
Chaetococcus bambusae (Mask.) (Coccidae):					
Bambusa pervariabilis	China			1	D. C.
Bambusa textilis	do			1	D. C.
Lingnania chungii	do			1	D. C.
Chaetopsis fulvifrons Macq. (Otitidae):					
Chrysanthemum sp	Mexico	1			Ariz.
Chalcolepidius webbi Lec. (Elateridae):					
Salix sp. (willow)	do			1	Tex.
Chelinidea canyoni Hami. (Coreidae):					
Astrophytum sp. (cactus)	do			1	Tex.
Chelinidea vittiger aequoris McA. (Coreidae):					
Cactus	do			1	Tex.
Chermes nusslini (Borner) (Aphilidae):					
Abies sp. (fir)	Canada	1			Wash.
Chilo loftini Dyar (Crambidae):					
Saccharum officinarum (sugarcane)	Mexico	1			Calif.
Chilo simplex (Butler) (Crambidae):					
Oryza sativa (rice)	China, Japan	5	7		Calif.*, La., Md., Tex., Wash.
Chionaspis elongata Green (Coccidae):					
Arundinaria sp	China			4	D. C.
Chionaspis pictani Cooley (Coccidae):					
Platanus occidentalis (sycamore)	Mexico	1			Tex.
Chionaspis wistariae Cooley (Coccidae):					
Wisteria sp	Japan			1	Calif.*
Chionaspis yanonensis (Kuw.) (Coccidae):					
Citrus nobilis deliciosa (tangerine)	do	2	1		Calif.*, Wash.
Citrus sinensis (orange)	do		2		Calif.*
Chrysomphalus olienus (Newst.) (Coccidae):					
Cattleya sp. (orchid)	Venezuela			1	D. C.
Chrysomphalus bifasciculatus Ferris (Coccidae):					
Citrus nobilis deliciosa (Mandarin orange)	Japan	4			Wash.
Chrysomphalus biformis (Ckll.) (Coccidae):					
Orchid	Cuba	1			Fla.*
Chrysomphalus perseae (Comst.) (Coccidae):					
Leaf	Colombia	1			Fla.*
Chrysomphalus personatus (Comst.) (Coccidae):					
Citrus aurantifolia (lime)	Mexico	1			Ariz.
Citrus limonia (lemon)	do	1			Ariz.
Vriesia sp	Brazil			1	N. J.
Chrysomphalus rossi Mask. (Coccidae):					
Dendrobium dearei (orchid)	Philippines			1	Calif.*
Eugenia smithii	Australia			1	Calif.*
Phalaenopsis amabilis (orchid)	Philippines			1	Calif.*
Phalaenopsis aphrodite (orchid)	do			1	Calif.*
Phalaenopsis grandiflora (orchid)	do			2	Calif.*
Phalaenopsis schilleriana (orchid)	do			2	Calif.*
Trichoglottis philippinensis (orchid)	do			1	Calif.*
Chrysomphalus umboniferus Newst. (Coccidae):					
Musa sp. (banana)	Panama	1			Wash.

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Cinara tujafilina (DelG.) (Aphiidae):					
Thuja sp.	Japan		1		Calif.*
Clerada apicicornis Sign. (Lygaeidae):					
Ananas sativus (pineapple)	Cuba	1			La.
Cattleya sp. (orchid)	Colombia			4	N. J.
Cligenes picturata (Dist.) (Lygaeidae):					
Cattleya sp. (orchid)	Venezuela			1	N. J.
Clytus arietis L. (Cerambycidae):					
Ulmus sp. (elm)	England	2			N. Y.
Coccotrypes dactyliperda (F.) (Scolytidae):					
Phoenix dactylifera (date)	Mexico	1			Ariz.
Phytelephas macrocarpa (ivory nut)	Ecuador	3			N. Y.
Coccotrypes rolliniae Hopk. (Scolytidae):					
Ptychosperma sp. (palm)	Cuba			1	N. J.
Coccus viridis (Green) (Coccidae):					
Achras sapota (sapodilla)	Bahamas	1			Fla.*
Citrus sinensis (orange)	do		1		Fla.*
Coffea sp.	Cuba, Puerto Rico	2			Fla.*, N. Y.
Gardenia florida (Cape-jasmine)	Bahamas, Cuba, Hawaii, Honduras, Venezuela.	45	15	6	Calif.*, Fla.,* La.
Plumeria sp. (frangipani)	Bahamas	1			Fla.*
Swietenia mahogani (mahogany)	Cuba	1			Fla.*
Colaspis viriditincta Schaeffer (Chrysomelidae):					
Punica granatum (pomegranate)	Mexico	1			Ariz.
Colecerus marmoratus Horn (Curculionidae):					
Lactuca sativa (lettuce)	do	1			Tex.
Prosopis sp. (mesquite)	do	1			Tex.
Conchaspis agraeci Ckll. (Coccidae):					
Maxillaria sp. (orchid)	Guatemala			1	Calif.*
Orchid	Dominican Republic			1	P. R.
Conoderus bifoveatus Palis. (Elateridae):					
Brassica sp. (mustard greens)	Cuba	1			N. Y.
Conotrachelus aguacatae Bra. (Curculionidae):					
Persea americana (avocado)	Mexico	158			Tex.
Conotrachelus flavangulus Champ. (Curculionidae):					
Flowers	do	1			Tex.
Musa sp. (banana)	Nicaragua	1			La.
Conotrachelus leucophaeatus Fahr. (Curculionidae):					
Fragaria sp. (strawberry)	Mexico	1			Tex.
Conotrachelus nenuphar (Herbst) (Curculionidae):					
Amygdalus persica (peach)	Bahamas		1		Fla.*
Conotrachelus seniculus Lec. (Curculionidae):					
Amygdalus persica (peach)	Mexico	1			Tex.
Beta vulgaris cicla (Swiss chard)	do	1			Tex.
Pisum sativum (pea)	do	1			Ariz.
Zea mays (corn)	do	1			Ariz.
Corcyra cephalonica (Staint.) (Galleriidae):					
Calluna vulgaris (heather)	Scotland	1			N. Y.
Diospyros sp. (persimmon)	Japan	1			Hawaii.*
Gossypium sp. (cottonseed)	Puerto Rico			1	D. C.
Oryza sativa (rice)	Japan	1			Hawaii.*
Triticum aestivum (wheat)	Brazil	2			Mass.
Corizus pictipes Stal (Coreidae):					
Vitis sp. (grape)	Argentina		1		N. Y.
Corizus punctatus Sign. (Coreidae):					
Mentha sp. (mint)	Mexico	1			Tex.
Corythucha morrilli O. & D. (Tingitidae):					
Chrysanthemum sp.	do	5			Ariz., Tex.
Daucus carota (carrot)	do	1			Tex.
Lactuca sativa (lettuce)	do	1			Tex.
Zinnia sp.	do	1			Tex.
Cosmolyce boeticus (L.) (Lycaenidae):					
Canavalia sp.	Hawaii	1			Calif.*
Dioclea violacea (Mauna loa)	do	4			Calif.*
Pisum sativum (pea)	Japan		1		Wash.
Cossonus canaliculatus F. (Curculionidae):					
Lycopersicum esculentum (tomato)	Mexico	1			Tex.
Tabebuia donnell-smithii (primavera)	Guatemala	2			N. Y.
Cossonus excavatus Boh. (Curculionidae):					
Ananas sativus (pineapple)	Mexico	1			Tex.

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Creontiades rubrinervis Stal (Miridae):					
Spinacia oleracea (spinach)	Mexico	1			Ariz.
Crocidosema plebeiana Zell. (Oletheutidae):					
Hibiscus esculentus (okra)	do	1			Tex.
Cylas formicarius (F.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Bahamas, China, Cuba, Dominican Republic, Hawaii, India, Jamaica, Mexico, Philippines, Puerto Rico.	31	34	3	Ala., Calif.*, Fla.*, Ga., Hawaii*, La., Md., Mass., N. Y., Pa., Tex., Va.
Cylas puncticollis Boh. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Gold Coast		1		Md.
Cylas turcipennis Boh. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Philippines		1		Ga.
Cymoninus notabilis (Dist.) (Lygaeidae):					
Brassica sp. (mustard)	Cuba	1			N. Y.
Chrysanthemum coronarium (crown daisy).	do	1			N. Y.
Cyrtopeltis tenuis Reut. (Miridae):					
Antirrhinum majus (snapdragon)	Jamaica	1			N. Y.
Brassica chinensis (white greens)	Cuba	12			N. Y.
Brassica sp. (mustard)	do	3			N. Y.
Cyrtopeltis varians (Dist.) (Miridae):					
Brassica alba (white mustard)	Mexico	1			Calif.
Brassica rapa (turnip)	do	1			Tex.
Brassica sp. (mustard)	do	1			Tex.
Dactylosternum abdominale F. (Hydrophilidae):					
Brassica rapa (turnip)	do	1			Tex.
Cedrus sp. (cedar)	Honduras	1			N. Y.
Dactylosternum subdepressum Lap. (Hydrophilidae):					
Tabebuia donnell-smithii (primavera)	Guatemala	1			N. Y.
Dacus cucurbitae (Coq.) (Euribiidae):					
Phaseolus sp. (string bean)	Hawaii		1		Calif.*
Deloyala guttata (Oliv.) (Chrysomelidae):					
Musa sp. (banana)	Mexico	1			Tex.
Deloyala leconteï (Cr.) (Chrysomelidae):					
Brassica sp. (mustard)	do	1			Tex.
Delphacodes campestris (Van D.) (Araeopidae):					
Phaseolus sp. (string bean)	do	1			Ariz.
Delphacodes koebelei M. & G. (Araeopidae):					
Lactuca sativa (lettuce)	do	1			Tex.
Dialeurodes chittendeni Laing (Aleyrodidae):					
Rhododendron sp	England			2	Wash.
Dialeurodes citri (Ashm.) (Aleyrodidae):					
Citrus aurantium (sour orange)	Bahamas	1			Md.
Citrus sinensis (orange)	Mexico	2			Tex.
Dialeurodes citrifolii (Morg.) (Aleyrodidae):					
Citrus sp.	Cuba	1			Fla.*
Diaspis zamiae Morg. (Coccidae):					
Encephalartos woodii	Union of South Africa			1	N. J.
Encephalartos sp	do			1	N. J.
Dikraneura kunzei Gill. (Cicadellidae):					
Capsicum annuum (pepper)	Mexico	1			Ariz.
Dinoderus biforeolatus Woll. (Bostrichidae):					
Calamus sp. (rattan)	Dutch East Indies	1			N. Y.
Derris scandens (Malay jewel vine)	Peru, Philippines	2			N. Y.
Lonchocarpus sp. (cube root)	Peru	1			N. Y.
Serjania mexicana (barbasco)	do	1			N. Y.
Dracculacephala balli Van D. (Cicadellidae):					
Lactuca sativa (lettuce)	Mexico	1			Tex.
Dracculacephala minerva Ball (Cicadellidae):					
Allium cepa (onion)	do	1			Tex.
Brassica sp. (mustard)	do	5			Ariz., Tex.
Daucus carota (carrot)	do	2			Tex.
Lactuca sativa (lettuce)	do	6			Tex.
Petroselinum hortense (parsley)	do	3			Tex.

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Draeculacephala minerva Ball (Cicadellidae)—Continued.					
Pisum sativum (pea)	Mexico	1			Ariz.
Raphanus sativus (radish)	do	1			Tex.
Saccharum officinarum (sugarcane)	do	1			Tex.
Spinacia oleracea (spinach)	do	1			Tex.
Draeculacephala portola Ball (Cicadellidae):					
Capsicum annuum (pepper)	do	1			Tex.
Gardenia florida (Cape-jasmine)	do	1			Tex.
Lactuca sativa (lettuce)	do	1			Tex.
Drasterius cribratus Lec. (Elateridae):					
Ananas sativus (pineapple)	do	1			Tex.
Echinocnemus bipunctatus Roel. (Curculionidae):					
Larix sp. (larch)	Japan			1	Wash.
Empoasca abrupta DeL. (Cicadellidae):					
Beta vulgaris cicla (Swiss chard)	Mexico	1			Tex.
Chrysanthemum sp	do	1			Tex.
Daucus carota (carrot)	do	1			Tex.
Spinacia oleracea (spinach)	do	1			Tex.
Empoasca fabae (Harr.) (Cicadellidae):					
Lactuca sativa (lettuce)	do	1			Tex.
Empoasca phaseola Oman (Cicadellidae):					
Lactuca sativa (lettuce)	do	1			Tex.
Empoasca solana DeL. (Cicadellidae):					
Lactuca sativa	do	2			Tex.
Spinacia oleracea (spinach)	do	2			Tex.
Endrosis lacteella (Schiff.) (Oecophoridae):					
Aglaonema sp	China			1	Wash.
Amygdalus persica nectarina (nectarine).	Chile	1			N. Y.
Narcissus sp	Ireland			1	N. J.
Entylia sinuata (F.) (Membracidae):					
Chrysanthemum sp	Mexico	1			Tex.
Ephestia rileyella Rag. (Phycitidae):					
Yucca sp	do	1			Tex.
Epicaerus cognatus Sharp (Curculionidae):					
Solanum tuberosum (potato)	do	8	2		Tex.
Epicauta pardalis Lec. (Meloidae):					
Chenopodium sp. (pigweed)	do	1			Ariz.
Epidiaspis piricola (DelGuer.) (Coccidae):					
Malus sylvestris (apple)	Italy, Portugal		2		Mass., N. Y.
Pyrus communis (pear)	Switzerland			1	D. C.
Epilachna varivestis Muls. (Coccinellidae):					
Allium cepa (onion)	Mexico	1			Tex.
Beta vulgaris cicla (Swiss chard)	do	3			Tex.
Lactuca sativa (lettuce)	do	1			Tex.
Phaseolus sp. (string bean)	do	3			Tex.
Epinotia opposita Hein. (Olethreutidae):					
Phaseolus sp. (string bean)	do	126	1		Ariz., Tex.
Erynephala puncticollis (Say) (Chrysomelidae):					
Portulaca sp. (purslane)	do	1			Tex.
Eucalandra setulosa Gyll. (Curculionidae):					
Cattleya sp. (orchid)	Colombia			1	N. J.
Eucnocerus anthrenoides Sharp (Dermestidae):					
Tamarindus indica (tamarind)	Mexico	1			Tex.
Eudiagogus pulcher Fahr. (Curculionidae):					
Sesbania exaltata	do	1			Calif.
Eumecosomyia nubila (Wd.) (Otitidae):					
Brassica oleracea capitata (cabbage)	do	3			Ariz., Tex.
Cucurbita maxima (squash)	do	1			Tex.
Lactuca sativa (lettuce)	do	1			Ariz.
Portulaca sp. (purslane)	do	1			Ariz.
Zea mays (corn)	Cuba, Mexico, Peru	154	3		Ariz., La., N. Y., Tex.
Euphalerus nidifex Schwarz (Psyllidae):					
Gardenia florida (Cape-jasmine)	Mexico	1			Tex.
Euphoria leucographa (G. & P.) (Scarabaeidae):					
Zea mays (corn)	do	1			Ariz.
Euphrytus parvicollis Schaef. (Chrysomeliade):					
Brassica sp. (mustard)	do	1			Ariz.

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Eurycipitia vestitus Dist. (Miridae):					
Cattleya spp. (orchid)	Brazil, Costa Rica, Guatemala.			3	Calif.*, N. J.
Oncidium splendidum (orchid)	Guatemala			1	Calif.*
Orchid	Colombia, Mexico			2	Calif.*, Tex.
Euryophthalmus bipustulatus (Stal) (Pyrrhocoridae):					
Gardenia florida (Cape-jasmine)	Mexico	1			Tex.
Malvaviscus drummondii	do	1			Tex.
Eurytoma orchidearum (Westw.) (Eurytomidae):					
Cattleya mossiae (orchid)	Colombia, Venezuela			2	Calif.*, N. J.
Cattleya skinnerii	Guatemala			1	Calif.*
Cattleya trianae	Colombia			1	Calif.*
Cattleya sp.	Brazil, Colombia, Costa Rica, Guatemala, Venezuela.			38	Calif.*, N. J., Wash.
Orchid	Colombia, Venezuela			2	N. J.
Eurytoma pistaciae Rond. (Eurytomidae):					
Pistacia terebinthus	Palestine			1	D. C.
Euscepes postfasciatus (Fairm.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	American Virgin Islands, Brazil, Hawaii, Jamaica, Peru, Puerto Rico, Trinidad, Virgin Islands.	3	50		Ala., Ga., La., Md., N. Y., Tex., Wash.
Euspermophagus cardui (Boh.) (Bruchidae):					
Vicia sp. (vetch)	Hungary			1	N. J.
Euxesta annonae (F.) (Otitidae):					
Zea mays (corn)	Mexico	2			Tex.
Euxesta notata (Wied.) (Otitidae):					
Ipomoea batatas (sweetpotato)	Argentina		1		La.
Euxesta sororcula (Wied.) (Otitidae):					
Zea mays (corn)	Mexico	3			Tex.
Euxesta stigmatias Loew (Otitidae):					
Capsicum annuum (pepper)	do	1			Ariz.
Zea mays (corn)	do	1			Tex.
Exitianus obscurinervis (Stal (Cicadellidae):					
Phaseolus sp. (string bean)	do	1			Tex.
Exptochiomera arizonensis Barb. (Lygaeidae):					
Portulaca sp. (purslane)	do	1			Tex.
Exptochiomera fuscicornis Stal (Lygaeidae):					
Allium sativum (garlic)	do	1			Tex.
Celosia sp. (cockscomb)	do	1			Tex.
Exptochiomera minima (Guer.) (Lygaeidae):					
Chrysanthemum sp.	do	3			Tex.
Lycopersicum esculentum (tomato)	do	1			Ariz.
Rosa sp.	do	1			Tex.
Exptochiomera oblonga (Stal) (Lygaeidae):					
Cattleya sp. (orchid)	Venezuela			1	N. J.
Fragaria sp. (strawberry)	Mexico	1			Tex.
Faustinus cubae (Boh.) (Curculionidae):					
Capsicum annuum (pepper)	Cuba	1			N. Y.
Feltia subterranea (F.) (Phalaenidae):					
Lactuca sativa (lettuce)	Mexico	1			Tex.
Florinia nephelii Mask. (Coccidae):					
Litchi chinensis (lychee)	China			2	D. C.
Forficula auricularia L. (Forficulidae):					
Cut flowers	British Columbia	1			Oreg.
Formosaspis formosanus (Tak.) (Coccidae):					
Bamboo	China	1			Wash.
Formosaspis nigra (Tak.) (Coccidae):					
Schizostachyum dumetorum	do			1	D. C.
Forsebia perlaeta (Hy. Edw.) (Phalaenidae):					
Lycopersicum esculentum (tomato)	Mexico	1			Ariz.
Frankliniella cephalica (Crawf.) (Thripidae):					
Gardenia florida (Cape-jasmine)	do	1			Tex.
Rosa sp.	do	1			Tex.

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Frankliniella cubensis Hood (Thripidae):					
Citrus sp.	Cuba	1			Fla.*
Jasminum sambac (Arabian jasmine)	do		1		Fla.*
Rosa sp.	Bahamas, Cuba	8	6		Fla.*
Frankliniella difficilis Hood (Thripidae):					
Rosa sp.	Bahamas, Cuba	2			Fla.*
Frankliniella fortissima Pr. (Thripidae):					
Althaea rosea (hollyhock)	Mexico	1			Ariz.
Antirrhinum majus (snapdragon)	do	2			Ariz., Tex.
Chrysanthemum sp.	do	2			Tex.
Daisy	do	4			Ariz., Tex.
Delphinium sp. (larkspur)	do	1			Ariz.
Dianthus sp. (carnation)	Guatemala, Mexico	6			Tex.
Gardenia florida (Cape-jasmine)	Guatemala	1			Tex.
Gladiolus sp.	Mexico	2			Tex.
Iris sp.	do	1			Ariz.
Lathyrus odoratus (sweet pea)	Guatemala, Mexico	24			Ariz., Tex.
Lilium sp.	do	2			Tex.
Lycopersicum esculentum (tomato)	Mexico	1			Ariz.
Medicago sativa (alfalfa)	do	1			Tex.
Nerium oleander (oleander)	do	1			Ariz.
Phaseolus sp. (string bean)	do	2			Ariz.
Polianthes tuberosa (tuberose)	do	1			Tex.
Rosa sp.	do	7			Ariz., Tex.
Viola sp. (violet)	do	1			Tex.
Frankliniella insularis (Frankl.) (Thripidae):					
Antirrhinum majus (snapdragon)	Bahamas	1			N. Y.
Daisy	Brazil		1		Fla.*
Gerberia sp.	Dominican Republic	1			N. Y.
Pentas lanceolata	Bahamas	1			N. Y.
Rosa sp.	Cuba	1	3		Fla.*
Frankliniella schultzei Tryb. (Thripidae):					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	1			Ill.
Frankliniella williamsi Hd. (Thripidae):					
Zea mays (corn)	Mexico	127	1		Ariz., Calif. Tex.
Fulvius quadristillatus (Stal) (Miridae):					
Cattleya sp. (orchid)	Colombia			3	N. J.
Orchid	Brazil			1	Calif.*
Furcaspis biformis (Ckll.) (Coccidae):					
Brassavola nodosa (orchid)	Canal Zone			2	Calif.*, N. J.
Brassavola sp.	do			3	N. J.
Brassia caudata (orchid)	do			1	N. J.
Cattleya skinneri (orchid)	Guatemala			1	Calif.*
Cattleya sp.	Colombia, Venezuela	1		5	Calif.*, N. J.
Epidendrum atropurpureum (orchid)	Canal Zone			6	Calif.*, N. J., P. R.
Epidendrum sp.	do			2	N. J.
Oncidium sp. (orchid)	Venezuela			2	N. J.
Orchid	Colombia, Hawaii, Trinidad, Venezuela.	2		12	Calif.*, D. C., Fla.*, N. J., P. R.
Schomburgkia sp. (orchid)	Venezuela			1	N. J.
Gastrodes pacificus (Prov.) (Lygaeidae):					
Pinus sp. (pine)	Canada			1	Wash.
Geocnethus nigrocinctus (Sign.) (Cydnidae):					
Cattleya sp. (orchid)	Colombia			1	N. J.
Vitis sp. (grape)	Argentina	1			N. Y.
Geocnethus semilevis (Sign.) (Cydnidae):					
Centaurea cyanus (bachelors button)	Mexico	1			Tex.
Chrysanthemum sp.	do	1			Tex.
Geocoris sonoraensis Van D. (Lygaeidae):					
Brassica sp. (mustard)	do	1			Tex.
Petroselinum hortense (parsley)	do	1			Tex.
Glyptina atriventris Horn (Chrysomelidae):					
Chenopodium album (lambs-quarters)	do	1			Ariz.
Glyptina niralis Horn (Chrysomelidae):					
Cut flowers	do	1			Ariz
Gnathotrichus consentaneus Bldfd. (Scolytidae):					
Citrus aurantifolia (lime)	do	1			Tex.

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Gnathotrichus denticulatus Blkm. (Scolytidae):					
Lycopersicum esculentum (tomato)	Mexico	1			Ariz.
Gnorimoschema gudmannella (Wlsm.) (Gelechiidae):					
Capsicum annuum (pepper)	Cuba, Mexico	54			Ariz., La., Tex.
Gnorimoschema lavernella (Chamb.) (Gelechiidae):					
Physalis sp. (husk tomato)	Mexico	1			Tex.
Gnorimoschema plaesiosema (Turner) (Gelechiidae):					
Solanum tuberosum (potato)	Peru		3		N. Y., Wash.
Gracilaria azaleella Brants (Gracilariidae):					
Azalea indica (azalea)	Japan		1	1	Calif.,* Wash.
Gracilia minuta (F.) (Cerambycidae):					
Hoops around barrel	England	1			Mass.
Grapholitha molesta (Busck) (Olethreutidae):					
Malus sylvestris (apple)	Japan		1		Calif.*
Gymnaspis aechmeae Newst. (Coccidae):					
Bromeliad	Brazil			1	N. J.
Gynaikothrips uzeli Zimm. (Phlaeothripidae):					
Ficus indica (fig)	Cuba		5		Fla.,* N. Y.
Gypona angulata Spbg. (Cicadellidae):					
Zinnia sp	Mexico	1			Ariz.
Gypona delta Ball (Cicadellidae):					
Salvia sp. (purple sage)	do	1			Tex.
Halisidota inexpectata Roths. (Arctiidae):					
Cattleya sp. (orchid)	Colombia			1	N. J.
Haplothrips cottei (Vuillet) (Phlaeothripidae):					
Dianthus sp. (carnation)	Europe	1			N. Y.
Haplothrips gowdeyi (Frankl.) (Phlaeothripidae):					
Aster sp	Canal Zone	1			N. Y.
Brassica sp. (mustard)	Cuba	1			N. Y.
Chrysanthemum coronarium (crown daisy)	do	1			N. Y.
Chrysanthemum sp	Mexico	1			Tex.
Citrus sp	Puerto Rico	1			N. Y.
Crinum sp	Bahamas	1			N. Y.
Daisy	Mexico	1			Tex.
Daucus carota (carrot)	Bahamas	1			N. Y.
Gardenia florida (Cape-jasmine)	Mexico	1			Tex.
Gerberia sp	Canal Zone, Dominican Republic, Jamaica.	6			N. Y.
Gladiolus sp	Canal Zone	1			N. Y.
Nerium oleander (oleander)	Bahamas		1	1	N. Y.
Rosa sp	Bahamas, Cuba	5	1		Fla.*
Tagetes florida (marigold)	Mexico	1			Tex.
Zinnia sp	Bermuda	1			N. Y.
Hellipus lauri (Boh.) (Curculionidae):					
Persea americana (avocado)	Mexico	2			Tex.
Helichus productus Lec. (Dryopidae):					
Allium cepa (onion)	do	1			Ariz.
Hellula phidilealis (Wlk.) (Pyraustidae):					
Brassica alba (white mustard)	do	31			Calif.
Brassica chinensis (white greens)	Cuba	23			N. Y.
Brassica oleracea acephala (kale)	do	2			N. Y.
Brassica rapa (turnip)	do		1		N. Y.
Brassica sp. (mustard)	Cuba, Mexico	44			Calif., N. Y.
Raphanus sativus (radish)	Cuba	1			N. Y.
Hellula undalis (F.) (Pyraustidae):					
Brassica alba (white mustard)	Mexico	1			Calif.
Brassica oleracea capitata (cabbage)	do	1			Tex.
Brassica sp. (mustard)	do	1			Tex.
Raphanus sativus longipinnatus (Chinese radish).	Japan		1		Pa.
Hercinothrips dimidiatus Hd. (Thripidae):					
Haworthia altilinea	Union of South Africa			1	Calif.*
Hercinothrips errans (Williams) (Thripidae):					
Cypripedium sp. (orchid)	England			1	N. J.

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Hercinothrips femoralis (Reut.) (Thripidae):					
Cypripedium sp. (orchid)	England			1	D. C.
Dendrobium nobile (orchid)	Japan			1	Hawaii.*
Phalaenopsis aphrodite (orchid)	Philippines			1	Hawaii.*
Phalaenopsis grandiflora	do			1	Hawaii.*
Phalaenopsis stuartiana	do			1	Hawaii.*
Heterohostrychus aequalis (Waterh.) (Bostrichidae):					
Bamboo dunnage	Java		1		Va.
Packing cases	India	1			Pa.
Wooden frame of tea chest	Dutch East Indies	2			N. Y.
Wooden cases containing mica	India	2			Mass.
Homalodisca triquetra (F.) (Cicadellidae):					
Laurus nobilis (Grecian laurel)	Mexico	1			Tex.
Homona menciana (Wlk.) (Tortricidae):					
Ginkgo biloba (maidenhair tree)	Japan		1		N. Y.
Hyalopterus atriplicis (L.) (Aphiidae):					
Chenopodium album (lambs-quarters)	Mexico	2			Ariz.
Hyphantria textor (Harr.) (Arctiidae):					
Beta vulgaris (beet)	do	1			Tex.
Brassica rapa (turnip)	do	1			Tex.
Brassica sp. (mustard)	do	1			Tex.
Capsicum annuum (pepper)	do	1			Tex.
Daucus carota (carrot)	do	1			Tex.
Hypselonotus fulvus (Deg.) (Coreidae):					
Malvaviscus drummondii	do	1			Tex.
Hypsipyla grandella (Zell.) (Phycitidae):					
Cedrus sp. (cedar)	Honduras	1			N. Y.
Icerya seychellorum (Westw.) (Coccidae):					
Mangifera indica (mango)	Tahiti	1			Hawaii.*
Inglisia vitrea (Ckll.) (Coccidae):					
Laurus nobilis (Grecian laurel)	Brazil		1		N. Y.
Iridomyrmex humilis Mayr. (Formicidae):					
Ananas sativus (pineapple)	Portugal	1			N. Y.
Brassica sp. (mustard)	Cuba	1			N. Y.
Iridomyrmex iniquus nigella Em. (Formicidae):					
Cattleya sp. (orchid)	Colombia, Venezuela			3	N. J.
Iridomyrmex melleus Whlr. (Formicidae):					
Packing of orchid plants	France	1			Hawaii.*
Iridomyrmex melleus Whlr. var. (Formicidae):					
Packing of orchid plants	do	1			Hawaii.*
Iridomyrmex pruinosus (Rog.) (Formicidae):					
Chrysanthemum coronarium (crown daisy)	Cuba	1			N. Y.
Kalotermes marginipennis Latr. (Termitidae):					
Prosopis sp. (mesquite)	Mexico	1			Ariz.
Kalotermes minor Hagen (Termitidae):					
Ananas sativus (pineapple)	do	1			Tex.
Kalotermes piceatus Snyder (Termitidae):					
Lumber	Hawaii	1			Calif.*
Keiferia lycopersicella (Busck) (Gelechiidae):					
Lycopersicum esculentum (tomato)	Cuba, Mexico	6,768			Ariz., Calif., N. Y., Tex., Vt.
Phaseolus sp. (string bean)	Mexico	1			Ariz.
Kuwanaspis pseudoleucaspis (Kuw.) (Coccidae):					
Arundinaria sp.	China			1	D. C.
Phyllostachys sp.	do			1	D. C.
Semiarundinaria venusta	do			1	D. C.
Sinobambusa laeta	do			1	D. C.
Sinobambusa rubroligulata	do			1	D. C.
Sinobambusa tootsii	do			1	D. C.
Kuwanaspis vermiformis (Tah.) (Coccidae):					
Arundinaria sp.	do			3	D. C.
Phyllostachys sp. (bamboo)	do			1	D. C.
Sinobambusa humila	do			1	D. C.

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Laemophloeus iteratus Sharp (Cucujidae):					
Guaiacum officinale (lignumvitae)	Guatemala	1			N. Y.
Laemophloeus sutturalis Reitt. (Cucujidae):					
Tabebuia donnell-smithii (primavera)	Guatemala, Nicaragua	2			N. Y.
Laemotmetus rhizophagoides (Walk.) (Cucujidae):					
Bamboo	Dutch East Indies, Java		6		N. Y., Va.
Laspeyresia membrosa Hein. (Olethreutidae):					
Prosopis sp. (mesquite)	Mexico	1	1		Tex.
Laspeyresia splendana (Hbn.) (Olethreutidae):					
Castanea sativa (Spanish chestnut)	Portugal	1			N. Y.
Castanea sp. (chestnut)	Japan, Portugal, Spain	26	1	1	Calif.*, N. Y. Pa., Wash.
Lecaniodiaspis dendrobii Dougl. (Coccidae):					
Cattleya sp. (orchid)	Venezuela			1	N. J.
Lecanium coryli (L.) (Coccidae):					
Prunus sp. (cherry)	Canada	1			Wash.
Leperisinus fraxini Panz. (Scolytidae):					
Fraxinus sp. (ash)	England	6			N. Y.
Lepidosaphes camelliae Hoke (Coccidae):					
Camellia japonica (camellia)	Cuba, Japan, Mexico	2		2	Fla., Tex., Wash.
Lepidosaphes conchiformis (Gmel.) (Coccidae):					
Eriobotrya japonica (loquat)	Japan		1		Wash.
Malus sp. (flowering crabapple)	do		1		N. Y.
Pyrus communis (pear)	do		1		Wash.
Lepidosaphes lasianthi (Green) (Coccidae):					
Codiaeum sp. (croton)	Colombia			1	N. J.
Lepidosaphes pallida (Green) (Coccidae):					
Juniperus sp. (juniper)	Chosen	1			N. Y.
Lepidosaphes philococcus (Ckll.) (Coccidae):					
Cactus	Mexico			3	Calif.*, Tex.
Myrtillocactus sp. (cactus)	do			2	D. C., Tex.
Pachycereus marginatus (cactus)	do			1	Tex.
Lepidosaphes tuberculata Malen. (Coccidae):					
Cymbidium eburneum (orchid)	England			1	N. J.
Cymbidium sp.	Belgium, England, Japan.			20	Calif.*, D. C., Hawaii*, N. J., Wash.
Orchid	England			1	N. J.
Leucaspis cockerelli (deCharmoy) (Coccidae):					
Vanda luzonica (orchid)	Philippines			1	Hawaii.*
Vanda teres	Jamaica			1	N. J.
Leucaspis indica Marlatt (Coccidae):					
Mangifera indica (mango)	Cuba			1	Fla.*
Leucopoecilia albofasciata Reut. (Miridae):					
Brassica sp. (mustard)	Mexico	1			Tex.
Lactuca sativa (lettuce)	do	6			Ariz., Tex.
Leucoptera coffeella Guer. (Gracilariidae):					
Coffea sp.	Cuba	2			Fla.*
Lichtensia lutea (Ckll.) (Coccidae):					
Unidentified leaves	Mexico	1			Tex.
Ligyrocoris abdominalis (Guer.) (Lygaeidae):					
Cucurbita maxima (squash)	do	1			Tex.
Ligyrocoris auriviliana (Dist.) (Lygaeidae):					
Chrysanthemum parthenium (feverfew)	do	1			Tex.
Fragaria sp. (strawberry)	do	1			Tex.
Lactuca sativa (lettuce)	do	1			Tex.
Ligyrocoris litigiosus (Stal) (Lygaeidae):					
Ananas sativus (pineapple)	Cuba, Mexico	3			La., Tex.
Ligyrocoris nitidicollis (Stal) (Lygaeidae):					
Ananas sativus (pineapple)	Mexico	1			Tex.
Cactus	do			1	Tex.
Fragaria sp. (strawberry)	do	1			Tex.
Gypsophila paniculata (babysbreath)	do	1			Tex.
Orchid	do			1	Tex.

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Ligyrocoris nitidulus (Uhler) (Lygaeidae):					
Allium sativum (garlic)	Mexico	1			Ariz.
Lactuca sativa (lettuce)	do	1			Tex.
Portulaca sp. (purslane)	do	1			Ariz.
Zea mays (corn)	do	1			Ariz.
Ligyrocoris rubricatus Barb. (Lygaeidae):					
Phaseolus sp. (string bean)	do	1			Tex.
Ligyrocoris setosus (Stal) (Lygaeidae):					
Chrysanthemum maximum (shasta daisy)	do	1			Tex.
Chrysanthemum sp.	do	1			Tex.
Limothrips denticornis Hal. (Thripidae):					
Helleborus niger (Christmas-rose)	England			1	N. J.
Lineodes integra (Zell.) (Pyraustidae):					
Lycopersicum esculentum (tomato)	Mexico	2			Ariz., Tex.
Liosomaphis berberidis (Kalt.) (Aphiidae):					
Berberis thunbergi (Japanese barberry)	Canada			1	D. C.
Liothrips vaneeckei Pr. (Thripidae):					
Lilium speciosum (speciosum lily)	Japan			1	Wash.
Lilium sp. (lily)	England, Japan		3	3	Md., Mass., N. Y., Wash.
Liriomyza flaveola Fallen (Agromyzidae):					
Brassica chinensis (white greens)	Cuba	9			N. Y.
Brassica oleracea acephala (kale)	do	5			N. Y.
Brassica sp. (mustard)	do	25			N. Y.
Coriandrum sativum (coriander)	do	1			N. Y.
Medicago sativa (alfalfa)	Mexico	1			Tex.
Listroderes obliquus Klug. (Curculionidae):					
In box of grapes	Argentina	1			N. Y.
Vitis sp. (grape)	Chile	1			N. Y.
Lophocateres pusillus (Klug.) (Ostomidae):					
Zea mays (corn)	Mexico	2			Tex.
Lorita abornana chatka Busck (Phalaenidae):					
Capsicum annuum (pepper)	do	77			Ariz.
Lycopersicum esculentum (tomato)	do	3			Ariz.
Lyctoxylon japonum Reitt. (Lyctidae):					
Bamboo	Java		1		Va.
Lygaeus circumlitus Stal (Lygaeidae):					
Cut flowers	Mexico	1			Tex.
Lygaeus lateralis Dall. (Lygaeidae):					
Lactuca sativa (lettuce)	do	3			Tex.
Lycopersicum esculentum (tomato)	do	1			Tex.
Solanum tuberosum (potato)	do	1	1		Ariz., Pa.
Lygaeus vitisculis Stal (Lygaeidae):					
On sack of bran	do	1			Tex.
Lygus championi Dist. (Miridae):					
Lactuca sativa (lettuce)	do	1			Tex.
Lygus distinctus Knight (Miridae):					
Spinacia oleracea (spinach)	do	1			Ariz.
Lygus elisus van D. (Miridae):					
Brassica sp. (mustard)	do	2			Tex.
Petroselinum hortense (parsley)	do	1			Tex.
Zea mays (Corn)	do	1			Ariz.
Lygus hesperivs Knt. (Miridae):					
Brassica sp. (mustard)	do	1			Tex.
Lygus sallei Stal (Miridae):					
Lactuca sativa (lettuce)	do	1			Ariz.
Macrosteles divisus (Uhl.) (Cicadellidae):					
Lactuca sativa (lettuce)	do	1			Tex.
Raphanus sativus (radish)	do	1			Calif.
Maruca testulalis (Geyer) (Pyraustidae):					
Dioclea violacea (mauna loa)	Hawaii	4	1		Calif.*
Phaseolus sp. (string bean)	Brazil, Haiti, Hawaii, Puerto Rico, Trinidad, Virgin Islands.		13		Ala., Calif.,* La., Md., Mass., Pa.
Matsucoccus matsumurae (Kuw.) (Coccidae):					
Pinus sp. (pine)	Japan			3	Wash.
Metamasius sericeus Ol. (Curculionidae):					
Banana debris	Honduras	1			Tex.
Musa sp. (banana)	Ecuador, Honduras	4			Md., N. Y.
Solanum melongena (eggplant)	Cuba	1			N. Y.
Under light in hold of banana boat	Colombia	1			Pa.

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Metamasius sericeus carbonarius Chev. (Curculionidae):					
Banana debris	Guatemala	1			S. C.
Metriona erratica (Boh.) (Chrysomelidae):					
Gardenia florida (Cape-jasmine)	Mexico	1			Tex.
Metriona profligata (Boh.) (Chrysomelidae):					
Brassica oleracea capitata (cabbage)	do	1			Tex.
Micrapate dinoderoides (Horn) (Bostrichidae):					
Tree limbs used for crating	do	2			Ariz.
Micrapate scapularis Gorh. (Bostrichidae):					
Sambucus sp. (elder)	do	1			N. Y.
Wood crating	do	7			Ariz., Mass., N. Y.
Zea mays (corn)	do	1			Tex.
Microlus ericae Gyll. (Curculionidae):					
Calluna vulgaris (heather)	Scotland	1		1	D. C., N. Y.
Moodna bisinuella Hamp. (Phycitidae):					
Zea mays (corn)	Mexico	54			Tex.
Mordellistena cattleyana Champ. (Mordellidae):					
Cattleya sp. (orchid)	Brazil, Colombia, Venezuela.			4	Calif.*, N. J.
Mordellistena chapini Ray (Mordellidae):					
Cattleya sp.	Peru			2	N. J.
Orchid	Colombia			1	N. J.
Morganella longispina (Morg.) (Coccidae):					
Carica papaya (papaya)	Brazil	1			N. Y.
Nerium oleander (oleander)	Bahamas		1		Fla.*
Mormidea collaris Dall. (Pentatomidae):					
Orchid	Mexico			1	Tex.
Mozena lunato (Burm.) (Coreidae):					
Capsicum annuum (pepper)	do	1			Tex.
Myocalandra discors Faust (Curculionidae):					
Bamboo	Dutch East Indies		1		Va.
Myochrous denticollis Say (Chrysomelidae):					
Cattleya trianae (orchid)	Colombia			1	Calif.*
Nabis alternata Parsh. (Nabidae):					
Brassica rapa (turnip)	Mexico	2			Tex.
Brassica sp. (mustard)	do	2			Tex.
Chrysanthemum sp.	do	1			Tex.
Raphanus sativus (radish)	do	2			Tex.
Nabis punctipennis Blanch. (Nabidae):					
Brassica oleracea capitata (cabbage)	Chile		1		Va.
Nasutitermes cornigera Motsch (Termitidae):					
Cattleya sp. (orchid)	Colombia			1	N. J.
Tabebuia donnell-smithii (primavera)	Guatemala	1			N. Y.
Naucles pusio (Lec.) (Mordellidae):					
Lactuca sativa (lettuce)	Mexico	1			Tex.
Nemapogon granella (L.) (Tineidae):					
Agaricus campestris (mushroom)	Japan	2			Hawaii.*
Nemocephalus guatemalensis Senna (Brentidae):					
Tabebuia donnell-smithii (primavera)	Guatemala	2			N. Y.
Neoclytus cacicus Chevrolet (Cerambycidae):					
Eugenia axiliaris (guayacan)	do	1			Calif.*
Guaiacum officinale (lignumvitae)	Canal Zone, Guatemala, Honduras.	4			Calif.*, N. Y., Wash.
Neolecanium cornuparvum (Thro.) (Coccidae):					
Magnolia liliflora	Japan			1	Wash.
Magnolia soulangeana	do			1	Wash.
Magnolia stellata	do			1	Wash.
Nesosteles neglectus (DeL. & D.) (Cicadellidae):					
Zinnia sp.	Mexico	1			Tex.
Neuroctenus simplex (Uhler) (Aradidae):					
Prosopis sp. (mesquite)	do		1		Tex.
Nicobium castaneum (Oliv.) (Anobiidae):					
Wicker hamper	Portugal	1			Pa.
Nicobium hirtum (Ill.) (Anobiidae):					
Wicker hamper	do	1			Pa.

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Nysius callifer Stal (Lygaeidae):					
Mixed flowers	Venezuela	1			N. Y.
Nysius expressus Dist. (Lygaeidae):					
Brassica chinensis (Chinese cabbage)	Japan		1		Wash.
Nysius minutus Uhl. (Lygaeidae):					
Brassica rapa (turnip)	Mexico	1			Tex.
Brassica sp. (mustard)	do	1			Tex.
Portulaca sp. (purslane)	do	1			Tex.
Zea mays (corn)	do	1			Ariz.
Nysius monticola Dist. (Lygaeidae):					
Brassica rapa (turnip)	do	1			Tex.
Spinacia oleracea (spinach)	do	1			Tex.
Nyssodrys haldemani Lec. (Crambycidae):					
Tamorindus indica (tamarind)	do	1			Tex.
Odonaspis graminis Bremner (Coccidae):					
Wild grass	do	1			Ariz.
Odonaspis greeni Ckll. (Coccidae):					
Bambusa dissemulator	China			1	D. C.
Bambusa pervariabilis	do			1	D. C.
Odonaspis penicillata Ckll. (Coccidae):					
Arundinaria hindsii (ramrod bamboo)	do			1	D. C.
Bambusa pervariabilis	do			1	D. C.
Bambusa sp.	do			1	D. C.
Oedionychis durangoensis Jac. (Chrysomelidae):					
Zea mays (corn)	Mexico	1			Ariz.
Ollarianus strictus (Ball) (Cicadellidae):					
Chrysanthemum sp.	do	2			Tex.
Dahlia sp.	do	1			Ariz.
Onthophagus marginatus Cast. (Scarabaeidae):					
Gossypium sp. (cotton)	Cuba	1			N. Y.
Onychobaris ambigua Csy. (Curculionidae):					
Dahlia sp.	Mexico	1			Ariz.
Opsius stactogalus Fieb. (Cicadellidae):					
Delphinium sp. (larkspur)	do	1			Ariz.
Orchidophilus aterrimus (Wthr.) (Curculionidae):					
Dendrobium cerinum (orchid)	Philippines			1	Calif.*
Dendrobium chrysotoxum	Japan			1	Hawaii.*
Orchid	Thailand			1	Calif.*
Phalaenopsis aphrodite (orchid)	Philippines			1	Hawaii.*
Phalaenopsis grandiflora	do			1	Hawaii.*
Phalaenopsis stuartiana	do			1	Hawaii.*
Vanda caerulea (orchid)	Japan			1	Hawaii.*
Vanda sanderiana	Philippines			1	Hawaii.*
Orthaea scutellata (Dall.) (Lygaeidae):					
Brassica chinensis (white greens)	Cuba	3			N. Y.
Fragaria sp. (strawberry)	Mexico	3			Tex.
Ozycetonia jucunda (Fald.) (Scarabaeidae):					
Pinus parviflora (Japanese white pine)	Japan			1	Wash.
Ozophora burmeisteri (Guer.) (Lygaeidae):					
Brassica chinensis (white greens)	Cuba	1			N. Y.
Ozophora gracilipes (Stal) (Lygaeidae):					
Cattleya sp. (orchid)	Venezuela			1	N. J.
Ozophora pallescens (Dist.) (Lygaeidae):					
Phaseolus sp. (string bean)	Cuba		1		N. Y.
Pachymerus olearius Bridwell (Bruchidae):					
Orbignya barbosiana	Brazil			1	P. R.
Pachyzancla perusalis (Wlk.) (Pyraustidae):					
Solanum melongena (eggplant)	Cuba	3			N. Y.
Pagiocerus rimosus Eichh. (Scolytidae):					
Zea mays (corn)	Peru	3			Calif.*, N. Y.
Palaeopus costicollis Marsh. (Curculionidae):					
Dioscorea sp. (yam)	Jamaica	1			N. Y.
Ipomoea batatas (sweetpotato)	Guadeloupe, Jamaica	1	1		N. Y.
Pantomorus xanthographus Germ. (Curculionidae):					
Vitis sp. (grape)	Argentina	3			N. Y.
Packing for grapes	do	1			N. Y.
Paragonatas divergens (Dist.) (Lygaeidae):					
Cattleya sp. (orchid)	Colombia			1	D. C.

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Parallelodiplosis cattleyae Moll. (Cecidomyiidae):					
Oncidium sp. (orchid)	Mexico	1			Tex.
Parandra polita Say (Cerambycidae):					
Tabebuia donnel-smithii (primavera)	Guatemala	1			N. Y.
Parlatoria camelliae Comst. (Coccidae):					
Camellia japonica (camellia)	Japan			10	Calif.*, D. C., Wash.
Camellia sasanqua (sasanqua tea)	do			1	Calif.*
Camellia sp.	do			2	Wash.
Parlatoria cinerea Hadden (Coccidae):					
Citrus aurantifolia (sour lime)	Mexico	1			Tex.
Citrus sinensis (orange)	Argentina, Brazil	1	1		Fla.*
Citrus sp.	Brazil			1	D. C.
Parlatoria crotonis Doug. (Coccidae):					
Codiaeum sp. (croton)	Hawaii	1		1	Calif.*
Parlatoria oleae (Colvee) (Coccidae):					
Malus sylvestris (apple)	Italy	1			N. Y.
Malus sp.	do			1	D. C.
Prunus domestica (plum)	Argentina	6			N. Y.
Prunus sp.	Italy			1	D. C.
Ribes nigrum (European black currant).	do	1			N. Y.
Parlatoria pseudaspidiotus Ldgr. (Coccidae):					
Aerides sp. (orchid)	Philippines			1	N. J.
Dendrobium nobile (orchid)	Thailand			1	Calif.*
Dendrobium sp.	do			1	Calif.*
Vanda purpurea (orchid)	do			1	Calif.*
Vanda teres (orchid)	Jamaica, Japan, Philippines.			8	Hawaii.* N. J.
Vanda teres alba	Thailand			1	Calif.*
Vanda teres andersoni	Japan, Philippines, Thailand.			8	Calif.*, Hawaii.*
Vanda teres aurorea	Philippines			1	Hawaii.*
Vanda teres giganteum	Japan			1	Hawaii.*
Vanda teres grandiflora	Japan, Philippines			8	Hawaii.*
Vanda sp.	Philippines, Straits Settlements, Thailand.			8	Calif.*, N. J., Wash.
Parlatoria theae Ckll. (Coccidae):					
Acer sp. (maple)	Japan		1	1	N. Y., Wash.
Prunus sp.	do			1	Calif.*
Parlatoria ziziphus (Lucas) (Coccidae):					
Citrus aurantifolia (lime)	Java		1		Mass.
Citrus grandis (grapefruit)	China		1		Calif.*
Citrus nobilis deliciosa (tangerine)	Java		1		N. Y.
Paromius longulus (Dall.) (Lygaeidae):					
Pinus sp. (pine)	Mexico	1			Tex.
Pealius hibisci (Kot.) (Aleyrodidae):					
Hibiscus sp.	Hawaii			3	Calif.*
Pectinophora gossypiella (Saund.) (Gelechiidae):					
Gossypium sp. (cottonseed)	Bahamas, Brazil, Hawaii, India, Mexico, Puerto Rico.	5	3	5	Calif.*, D. C., Fla.*, La., Mass., N.Y., Pa., Tex.
Gossypium sp. (seed cotton)	Cuba, Mexico	3	2		Fla.*, Tex.
Gossypium sp. (cotton) (boll)	Argentina, Hawaii	2	3		Calif.*, Pa.
Gossypium sp. (cotton) (linter)	Brazil	1			N. Y.
Gossypium sp. (cotton)	Bahamas	1			Fla.*
Hibiscus esculentus (okra)	Brazil, St. Vincent		2		Mass., N. Y.
Penichroa fasciata Steph. (Cerambycidae):					
Wooden hoops	Spain	1			N. Y.
Phaedon incertum Baly (Chrysomelidae):					
Diospyros sp. (persimmon)	Japan		1		Mass.
Phelomerus aberrans (Sharp) (Bruchidae):					
Cassia ferruginea	Brazil			1	D. C.
Cassia fistula (golden-shower)	Panama	4			N. Y.
Cassia moschata	Canal Zone			1	N. J.
Phenacaspis eugeniae (Mask.) (Coccidae):					
Mangifera indica (mango)	Hawaii			3	Calif.*
Tristania conferta (Brsibane-box)	Australia			1	Calif.*
Phenacaspis fujicola Kuw. (Coccidae):					
Wisteria multijuga (longcluster wisteria).	Japan			1	N. J.

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		Consumption	Nonentry	Propagation	
Phenacoccus gossypii Towns. & Ckll. (Coccidae):					
Antirrhinum majus (snapdragon)	Mexico	1			Ariz.
Chrysanthemum sp	do	2			Ariz., Tex.
Lilium sp. (lily)	Bermuda	1			D. C.
Pelargonium sp. (geranium)	Mexico	1		2	Ariz., Tex.
Verbena sp	do	1			Ariz.
Zinnia sp	do	1			Tex.
Philophylla heraclei (L.) (Eurididae):					
Apium graveolens (celery)	England		1		N. Y.
Phlepsius distinctus Lathr. (Cicadellidae):					
Brassica sp. (mustard)	Mexico	1			Tex.
Lactuca sativa (lettuce)	do	1			Tex.
Phormesium virgulatum Bates (Cerambycidae):					
Cassia fistula (golden-shower)	Honduras		1		La.
Phyllotreta atra (F.) (Chrysomelidae):					
Helleborus niger (Christmas-rose)	England			1	N. J.
Phyllotreta pusilla Horn (Chrysomelidae):					
Beta vulgaris cicla (Swiss chard)	Mexico	1			Tex.
Brassica rapa (turnip)	do	4			Tex.
Brassica sp. (mustard)	do	2			Tex.
Daucus carota (carrot)	do	1			Calif.
Raphanus sativus (radish)	do	1			Tex.
Spinacia oleracea (spinach)	do	1			Tex.
Phyllotreta vittata discedens Weise (Chrysomelidae):					
Brassica chinensis (white greens)	Cuba	9			N. Y.
Brassica sp. (mustard)	do	8			N. Y.
Coriandrum sativum (coriander)	do	1			N. Y.
Raphanus sativus longipinnatus (radish)	do	2			N. Y.
Pinnaspis buxi (Bouche) (Coccidae):					
Palm	Japan		1		Calif.*
Pinnaspis minor strachani Cooley (Coccidae):					
Dombeya sp	Cuba			1	D. C.
Euphoria longana (longan)	do	1			N. Y.
Pinnaspis townsendi (Ckll.) (Coccidae):					
Cymbidium finlaysonianium (orchid)	Philippines			1	Calif.*
Dendrobium sp. (orchid)	Straits Settlements			1	N. J.
Vanda tricolor (orchid)	Australia			2	Hawaii.*
Pionea forficalis (L.) (Pyraustidae):					
Brassica oleracea botrytis (cauliflower)	England		1		N. Y.
Placosternus crinicornis (Chevr.) (Cerambycidae):					
Lactuca sativa (lettuce)	Mexico	1			Tex.
Plagiodera thymaloides Stal (Chrysomelidae):					
Orchid	do	1		1	Tex.
Platynota rostrana (Wlk.) (Tortricidae):					
Capsicum annuum (pepper)	Cuba	4			N. Y.
Coriandrum sativum (coriander)	do	1			N. Y.
Musa paradisiaca (plantain)	do	1			N. Y.
Solanum melongena (eggplant)	do	1			N. Y.
Platynota stultana (Wlsm.) (Tortricidae):					
Brassica rapa (turnip)	Mexico	2			Tex.
Capsicum annuum (pepper)	do	229			Ariz., Tex.
Lycopersicum esculentum (tomato)	do	16			Ariz., Tex.
Solanum melongena (eggplant)	do	1			Ariz.
Platypus australis Chap. (Platypodidae):					
Juglans sp. (walnut)	Australia	2			Va.
Platypus exaratus Blandf. (Platypodidae):					
Tabebuia donnell-smithii (primavera)	Guatemala	2			N. Y.
Platypus poriferus Chapuis (Platypodidae):					
Guaiacum officinale (lignumvitae)	do	1			Wash.
Tabebuia donnell-smithii (primavera)	do	1			N. Y.
Platypus rugulosus Chapuis (Platypodidae):					
Tabebuia donnell-smithii (primavera)	Guatemala	3			La., N. Y.
Podisus acutissimus Stal (Pentatomidae):					
Gardenia florida (Cape-jasmine)	Mexico	1			Tex.

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		Consumption	Noncentry	Propagation	
Podisus rubromaculatus Dist. (Pentatomidae):					
Gardenia florida (Cape-jasmine)	Mexico	1			Tex.
Polymerus basalis (Reut.) (Miridae):					
Chrysanthemum maximum (shasta daisy)	do	1			Tex.
Chrysanthemum sp.	do	1			Tex.
Prairiana sidana Ball (Cicadellidae):					
Pisum sativum (pea)	do	1			Ariz.
Pronotacantha annulata Uhl. (Neididae):					
Capsicum annuum (pepper)	do	1			Ariz.
Zinnia sp.	do	1			Ariz.
Protopulvinaria pyriformis (Ckll.) (Coccidae):					
Gardenia florida (Cape-jasmine)	Mexico, Venezuela	2			N. Y., Tex.
Pseudaonidia clavigera Ckll. (Coccidae):					
Eugenia alba	Hawaii			1	Calif.*
Eugenia dombeyi (grumixameira-tree)	do			1	Calif.*
Hibiscus sp.	do			1	Calif.*
Myricaria sp.	Canal Zone			1	D. C.
Pseudaonidia duplex (Ckll.) (Coccidae):					
Azalea sp.	Japan			1	Wash.
Camellia japonica (camellia)	do			6	Wash.
Citrus aurantium (sour orange)	do		2		Calif.,* Fla.*
Citrus nobilis deliciosa (Mandarin orange)	do	2			Wash.
Corylopsis sp.	do			1	Wash.
Magnolia sp.	do			2	Wash.
Rhododendron sp.	do			1	Wash.
Styrax obassia (fragrant snowball)	do			1	Calif.*
Pseudaonidia paeoniae (Ckll.) (Coccidae):					
Azalea indica (azalea)	do			3	Calif.,* Wash.
Camellia japonica (camellia)	do			2	Wash.
Camellia sasanqua (sasanqua tea)	do			1	Calif.*
Pseudaonidia tesserata (deCharm.) (Coccidae):					
Hibiscus sp.	Hawaii			2	Calif.*
Panax sp.	do			1	Calif.*
Vitis sp. (grape)	Haiti			1	N. J.
Pseudaonidia trilobitiformis (Green) Coccidae):					
Laurus nobilis (Grecian laurel)	Brazil		1		N. Y.
Pseudischnaspis alienus (Newst.) (Coccidae):					
Annona cherimola (Jamaica apple)	Cuba		1		Fla.*
Cattleya skinneri (orchid)	Costa Rica			3	Calif.*, N. J.
Cattleya skinneri alba	do			1	N. J.
Epidendrum macrocarpum (orchid)	Canal Zone			1	Calif.*
Epidendrum radicans	do			1	Calif.*
Oncidium altissimum (orchid)	Guatemala			1	Calif.*
Orchid	Costa Rica, Mexico			2	N. J., Tex.
Pseudischnaspis bowreyi (Ckll.) (Coccidae):					
Annona sp.	Puerto Rico	1			N. Y.
Epidendrum sp. (orchid)	Guatemala			1	Calif.*
Pseudococcus boninsis (Kuw.) (Coccidae):					
Iris sp.	Bermuda			1	N. Y.
Saccharum officinarum (sugarcane)	Bahamas, Cuba, Mexico, Portugal	6	1		Fla.*, N. Y., Tex.
Pseudococcus gahani (Green) (Coccidae):					
Amygdalus persica nectarina (nectarine)	Chile	2			N. Y.
Pseudococcus lilacinus Ckll. (Coccidae):					
Phalaenopsis aphrodite (orchid)	Philippines			1	Calif.*
Phalaenopsis grandiflora	do			1	Calif.*
Phalaenopsis rosea	do			1	Calif.*
Renanthera storiei (orchid)	do			1	Hawaii.*
Vanda sanderiana (orchid)	do			1	Hawaii.*
Pseudococcus nipae (Mask.) (Coccidae):					
Odontoglossum sp. (orchid)	Costa Rica			1	N. J.
Pseudodiaspis yuccae (Ckll.) (Coccidae):					
Pachycereus pecten-aboriginum (cactus)	Mexico			1	N. J.
Pseudoparlatoria ostreata (Ckll.) (Coccidae):					
Carica papaya (papaya)	Puerto Rico		1		Ga.

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Psylliodes chrysocephala L. (Chrysomelidae):					
Brassica campestris (rutabaga)	England		1		Pa.
Brassica oleracea (wild cabbage)	Portugal		1		N. Y.
Brassica rapa (turnip)	England		1		N. Y.
Ptelebius vittatus (F.) (Scolytidae):					
Ulmus sp. (elm)	do	1			N. Y.
Ptinus huesanus Fisher (Ptinidae):					
Limonium sp. (sea lavander)	Bahamas			1	N. Y.
Ptinus tectus Boisd. (Ptinidae):					
Magnolia delavayi	England			1	Wash.
Magnolia soulangeana alba	do			1	Wash.
Ptychopoda bonifata (Hist.) (Geometridae):					
Medicinal herb	Mexico	1			Tex.
Pulvinaria floccifera (Westw.) (Coccidae):					
Anthurium scherzerianum (anthurium).	Japan			1	Hawaii.*
Cymbidium sp. (orchid)	England			3	D. C., N. J.
Oncidium sp. (orchid)	Costa Rica			2	N. J.
Pulvinaria psidii Mask. (Coccidae):					
Chrysophyllum cainito (star-apple)	Bahamas		1		Fla.*
Gardenia florida (Cape-jasmine)	Bahamas, Cuba	2			Fla.*
Pittosporum sp.	Cuba		1		Fla.*
Puto mexicanus Ckll. (Coccidae):					
Cephalocereus senilis (old-man cactus)	Mexico			2	Tex.
Orchid	do			1	Tex.
Puto yuccae (Coq.) (Coccidae):					
Cereus marginatus (cactus)	do			1	Tex.
Echinofossulocactus pentacantha (cactus).	do			1	Tex.
Pyrausta nubilalis (Hbn.) (Pyraustidae):					
Zea mays (corn)	Japan		3		Wash.
Pyropus sapphirinus Gyll. (Curculionidae):					
Brassica sp. (mustard)	Cuba	1			N. Y.
Renocis mexicanus Blckm. (Scolytidae):					
Wooden frame of leather chairs	Mexico	1			Tex.
Wood crating	do	4			Ariz.
Rhagoletis pomonella (Walsh) (Euribidae):					
Crataegus sp. (red haw)	do	2			Tex.
Malus sylvestris (apple)	do	2			Tex.
Rhinochenus stigma L. (Curculionidae):					
Hymenaea courbaril (West Indian locust).	Trinidad		1		Ala.
Rhipibruchus picturatus (Fahr.) (Bruchidae):					
Prosopis nigra	Uruguay			1	N. J.
Rhopalosiphoninus tulipaellus (Theob.) (Aphiidae):					
Tulipa sp.	Canada, England			7	N. Y., Wash.
Rhynchites mexicanus Boh. (Curculionidae):					
Lactuca sativa (lettuce)	Mexico	1			Tex.
Ribua innoxia Hein. (Phyciidae).					
Ananas sativus (pineapple)	Cuba	56	4		La., N. Y.
Romaleum rufulum (Hald.) (Cerambycidae):					
Prosopis sp. (mesquite)	Mexico	1			Tex.
Schoenobius bipunctiferus (Wlk.) (Schoenobiidae):					
Oryza sativa (rice)	China		1		Tex.
Scolopostethus decoratus (Hal.n) (Lygaeidae):					
Moss packing	England			1	N. J.
Scolytus multistriatus (Marsh.) (Scolytidae):					
Ulmus sp. (elm)	do	3			N. Y.
Scolytus scolytus (F.) (Scolytidae):					
Ulmus sp. (elm)	do	5			N. Y.
Setomorpha insectella (F.) (Tineidae):					
Allium sativum (garlic)	Mexico	3			Tex.
Cephalocereus sp. (cactus)	do			1	N. J.
Dioscorea sp. (yam)	Virgin Islands	1			N. Y.
Eucharis sp.	Barbados			1	N. J.
Mammillaria haageana (cactus)	Mexico			1	Calif.*

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Sinoxylon anale Lesne (Bostrichidae):					
Derris scandens (Malay jewel vine)	British Malaya, Philippines.	3			N. Y.
Wood used as crate	French Indo-China, India.	2			N. Y.
Sinoxylon conigerum Gerst. (Bostrichidae):					
Derris scandens	Philippines	1			N. Y.
Wood	French Indo-China	1			N. Y.
Sisamnes contractus Dist. (Lygaeidae):					
Ananas sativus (pineapple)	Mexico	5			Tex.
Sitona lineata L. (Curculionidae):					
Acer palmatum dissectum	Canada			1	Wash.
Sizeonotus areolatus Kngt. (Miridae):					
Lactuca sativa (lettuce)	Mexico	1			Tex.
Spragueia leo (Gn.) (Phalaenidae):					
Aralia chinensis mandshurica	England			1	N. J.
Stephanitis pyrioides Scott (Tingitidae):					
Azalea sp	Japan		1		Wash.
Stephanoderes buscki Hopk. (Scolytidae):					
Bertholletia nobilis (Brazil nut)	Brazil	1			N. Y.
Stephanoderes guatemalensis Hopk. (Scolytidae):					
Moringa oleifera (horseradish-tree)	Dominican Republic			1	P. R.
Stephanoderes hampei Ferr. (Scolytidae):					
Coffea sp	Angola, British East Africa, Ethiopia, Portugal, Sumatra.	6			N. Y.
Sternechus paludatus Csy. (Curculionidae):					
Phaseolus sp. (string bean)	Mexico	1			Ariz.
Sternochetus mangiferae (F.) (Curculionidae):					
Mangifera indica (mango)	Hawaii, Philippines	2	2		Calif.*
Stictocephala rotundata Stal (Membracidae):					
Brassica chinensis (white greens)	Cuba	1			N. Y.
Strategus simson L. (Scarabaeidae):					
Musa sp. (banana)	Jamaica	1			Tex.
Systena basalis Duv. (Chrysomelidae):					
Brassica chinensis (white greens)	Cuba	3			N. Y.
Brassica oleracea acephala (kale)	do	1			N. Y.
Brassica sp. (mustard)	do	3			N. Y.
Chrysanthemum coronarium (crown daisy).	do	2			N. Y.
Taeniothrips atratus (Hal.) (Thripidae):					
Dianthus sp. (carnation)	Canada	1			Wash.
Taeniothrips dianthi Pr. (Thripidae):					
Dianthus sp. (carnation)	Europe	1			N. Y.
Taeniothrips ericae (Hal.) (Thripidae):					
Calluna vulgaris (heather)	Scotland			1	N. Y.
Taeniothrips fumosa Tryb. (Thripidae):					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	1			Ill.
Taeniothrips gracilis Mlt. (Thripidae):					
Lycoris sp.	Japan			1	Wash.
Taeniothrips simplex (Mor.) (Thripidae):					
Dianthus sp. (carnation)	Mexico	1			Tex.
Gladiolus sp	do	11			Tex.
Gypsophila paniculata (babysbreath)	do	2			Tex.
Orchid	Venezuela	1			Fla.*
Polianthes tuberosa (tuberose)	Mexico	1			Tex.
Rosa sp	Cuba	1			Fla.*
Taeniothrips zanthius Hood (Thripidae):					
Anthurium scherzerianum (anthurium).	Japan			1	Hawaii.*
Targionia bromeliae ("Newst." Leon.) (Coccidae):					
Ananas bracteatus	Brazil			1	Hawaii.*
Ananas sativus (pineapple)	Azores, Cuba	7			Fla.*, N. Y.
Targionia hartii (Ckll.) (Coccidae):					
Dioscorea sp. (yam)	American Virgin Islands, Barbados, Cuba, St. Vincent.	4	1		Fla.*, Mass., N. Y., P. R.
Zingiber officinale (ginger)	St. Lucia	1			N. Y.
Targionia sacchari (Ckll.) (Coccidae):					
Saccharum officinarum (sugarcane)	Bahamas, Cuba, Guatemala, Puerto Rico, West Indies.	4	3		Fla.*, Mass., N. Y.

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Teleonemia nigrina Champ. (Tingitidae):					
Chrysanthemum sp.	Mexico	1			Tex.
Nerium oleander (oleander)	do	1			Tex.
Teleonemia scrupulosa Stal (Tingitidae):					
Chrysanthemum sp.	do	1			Tex.
Rosa sp.	do	1			Tex.
Tenthecoris bicolor Scott (Miridae):					
Cattleya gigas (orchid)	Colombia			1	Calif.*
Cattleya lueddemanniana	Venezuela			1	N. J.
Cattleya sp.	Brazil, Colombia, Venezuela.			9	N. J.
Oncidium sp. (orchid)	Guatemala			1	N. J.
Orchid	Brazil, Colombia, Venezuela.			6	N. J.
Tesserocerus dejeani Chapuis (Platypodidae):					
Tabebuia donnell-smithii (primavera)	Guatemala	2			N. Y.
Tetraleurodes acaciae (Q.) (Aleyrodidae):					
Laurus nobilis (Grecian laurel)	Mexico	1			Tex.
Tetraleurodes mori (Q). (Aleyrodidae):					
Citrus sinensis (orange)	do	1			Ariz.
Citrus sp.	do	1			Ariz.
Gardenia florida (Cape-jasmine)	do	1			Tex.
Hibiscus sp.	do			1	Ariz.
Lippia sp.	do	1			Tex.
Tetrapriocera longicornis (Oliv.) (Bostrichidae):					
Cedrus sp. (cedar)	Honduras	1			N. Y.
Thrips nigropilosus Uzel (Thripidae):					
Chrysanthemum sp.	Canada	1			Hawaii.*
Thyanta accerra McA. (Pentatomidae):					
Lactuca sativa (lettuce)	Mexico	1			Tex.
Toxotrypana curvicauda Gerst. (Eurihiidae):					
Carica papaya (papaya)	do	1			Tex.
Trionymus sacchari (Ckll.) (Coccidae):					
Saccharum officinarum (sugarcane)	American Virgin Islands, Canal Zone, Cuba, Mexico, Tahiti.	5		2	Calif.*, D. C., N. Y., Tex.
Vinsonia stellifera (Westw.) (Coccidae):					
Epidendrum ciliare (orchid)	Canal Zone			1	N. J.
Ixora sp.	British Honduras	1			Fla.*
Orchid	Canal Zone, Dominican Republic, Jamaica, Trinidad.			4	D. C., P. R.
Xanthophthalma concinnum Ckll. & Par. (Coccidae):					
Cocos nucifera (coconut)	Honduras		1		La.
Xestocoris collinus (Dist.) (Lygaeidae):					
Cattleya bowringiana (orchid)	Guatemala			1	N. J.
Xyleborus affinis Eichh. (Scolytidae):					
Cedrus sp. (cedar)	Honduras	1			N. Y.
Tabebuia donnell-smithii (primavera)	Guatamala	1			La.
Theobroma sp.	Brazil		1		N. Y.
Xyleborus confusus Eichh. (Scolytidae):					
Tabebuia donnell-smithii (primavera)	Guatemala, Mexico	8			La., N. Y.
Xyleborus fuscatus Eichh. (Scolytidae):					
Cedrus sp. (cedar)	Honduras	2			N. Y.
Guaiacum officinale (lignumvitae)	Canal Zone		1		N. Y.
Tabebuia donnell-smithii (primavera)	Mexico	1			N. Y.
Xyleborus macer Bldfd. (Scolytidae):					
Tabebuia donnell-smithii	Guatemala	3			La., N. Y.
Xyleborus monigerus Bldfd. (Scolytidae):					
Dendrobium phalaenopsis (orchid)	Australia			1	Calif.*
Dendrobium spectabile	do			1	Calif.*
Xyleborus propinquus Eichh. (Scolytidae):					
Cedrela sp.	Colombia	1			N. Y.
Cedrus sp. (cedar)	Honduras	2			N. Y.
Citrus aurantifolia (lime)	Mexico	1			Tex.
Lycopersicum esculentum (tomato)	do	1			Tex.
Swietenia mahogani (mahogany)	Guatemala	1			La.
Xylothrips flavipes (Ill.) (Bostrichidae):					
Wooden case with guttapercha	Java	3			Mass.

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Zabrotes subfasciatus (Boh.) (Bruchidae):					
Ananas sativus (pineapple)	Cuba	1			La.
Bean	Brazil, Honduras, Mexico.	79	4		La., N. Y., Tex.
Chrysanthemum sp	Mexico	3			Tex.
Lycopersicum esculentum (tomato)	do	1			Tex.
Oryza sativa (rice)	do	1			Tex.
Phaseolus lunatus macrocarpus (Lima bean).	Cuba			3	Calif.*
Phaseolus vulgaris	Brazil			1	D. C.
Phaseolus sp. (string bean)	Mexico	1			Ariz.
Tagetes sp. (marigold)	do	1			Tex.
Vigna sinensis (cowpea)	Brazil			1	D. C.
Zea mays (corn)	Mexico	5			Tex.
Zinnia sp	do	1			Tex.

Hosts and insects

ABIES:
Chermes nusslini (Homoptera)
ACACIA:
Acanthoscelides sallaei (Coleoptera)
ACER:
Parlatoria theae (Homoptera)
Sitona lineata (Coleoptera)
ACHRAS:
Coccus viridis (Homoptera)
AGARICUS:
Nemapogon granella (Lepidoptera)
AGLAONEMA:
Endrosis lacteella (Lepidoptera)
ALLIUM CEPA:
Aeolus dorsalis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Draeculacephala minerva (Hemiptera)
Epilachna varivestis (Coleoptera)
Helichus productus (Coleoptera)
ALLIUM SATIVUM:
Eryptochiomera fuscicornis (Hemiptera)
Ligyrocoris nitidulus (Hemiptera)
Setomorpha insectella (Lepidoptera)
ALTHAEA:
Frankliniella fortissima (Thysanoptera)
ALYXIA:
Ceroplastes rubens (Homoptera)
AMARYLLIS:
Anaphothrips orchidii (Thysanoptera)
AMYGDALUS COMMUNIS:
Aspidiotus destructor (Homoptera)
AMYGDALUS PERSICA:
Anastrepha ludens (Diptera)
Conotrachelus nenuphar (Coleoptera)
Conotrachelus seniculus (Coleoptera)
AMYGDALUS PERSICA NECTARINA:
Endrosis lacteella (Lepidoptera)
Pseudococcus gahani (Homoptera)
ANANAS:
Acrolecucus vicinalis (Hemiptera)
Alpheias conspirata (Lepidoptera)
Clerada apicicornis (Hemiptera)
Cossonus excavatus (Coleoptera)
Drasterius cribratus (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Kalotermes minor (Isoptera)
Ligyrocoris litigiosus (Hemiptera)
Ligyrocoris nitidicollis (Hemiptera)
Ribua innoxia (Lepidoptera)
Sisamnes contractus (Hemiptera)
Targionia bromeliae (Homoptera)
Zabrotes subfasciatus (Coleoptera)
ANNONA:
Aspidiotus destructor (Homoptera)
Pseudischnaspis alienus (Homoptera)
Pseudischnaspis bowreyi (Homoptera)
ANTHURIUM:
Ceroplastes rubens (Homoptera)
Pulrinaria floccifera (Homoptera)
Taeniothrips xanthius (Thysanoptera)
ANTIRRHINUM:
Allocoris incognita (Hemiptera)
Cyrtopeltis tenuis (Hemiptera)
Frankliniella fortissima (Thysanoptera)
Frankliniella insularis (Thysanoptera)
Phenacoccus gossypii (Homoptera)
APIUM:
Anuraphis apiifolia (Homoptera)
Philophylla heraclei (Diptera)
ARALIA:
Spragueia leo (Lepidoptera)
ARUNDINARIA:
Antonina crawii (Homoptera)
Antonina tobai (Homoptera)
Chionaspis elongata (Homoptera)
Kuwanaspis pseudoleucaspis (Homoptera)
Kuwanaspis vermiformis (Homoptera)
Odonaspis penicillata (Homoptera)
ASTER:
Haplothrips gowdeyi (Thysanoptera)
ASTROPHYTUM—See Cactaceae
ATTALEA:
Aspidiotus spinosus (Homoptera)
AUCUBA:
Aspidiotus destructor (Homoptera)
AZALEA:
Oracilaria azaleella (Lepidoptera)
Pseudaonidia duplex (Homoptera)
Pseudaonidia paeoniae (Homoptera)
Stephanitis pyrioides (Hemiptera)
BAMBOO:
Asterolecanium miliaris longum (Homoptera)
Formosaspis formosanus (Homoptera)
Heterobostrychus aequalis (Coleoptera)
Lacmotmetus rhizophagoides (Coleoptera)
Lyctoxylon japonum (Coleoptera)
Myocalandra discors (Coleoptera)
BAMBUSA:
Antonina crawi (Homoptera)
Asterolecanium bambusae (Homoptera)
Asterolecanium bambusicola (Homoptera)
Asterolecanium miliaris (Homoptera)
Chaetococcus bambusae (Homoptera)
Odonapis greeni (Homoptera)
Odonaspis penicillata (Homoptera)
BANANA DEBRIS:
Metamasius sericeus (Coleoptera)
Metamasius sericeus carbonarius (Coleoptera)
BEAN:
Callosobruchus chinensis (Coleoptera)
Zabrotes subfasciatus (Coleoptera)
BERBERIS:
Liosomaphis berberidis (Homoptera)

Hosts and insects—Continued

BERTHOLLETIA:
Stephanoderes buscki (Coleoptera)
BETA VULGARIS:
Brochymena sulcata (Hemiptera)
Hyphantria textor (Lepidoptera)
BETA VULGARIS CICLA:
Caulotops agavis (Hemiptera)
Conotrachelus seniculus (Coleoptera)
Empoasca abrupta (Hemiptera)
Epilachna varivestis (Coleoptera)
Phyllotreta pusilla (Coleoptera)
BRASSAVOLA—See Orchidaceae
BRASSIA—See Orchidaceae
BRASSICA ALBA:
Cyrtopeltis varians (Hemiptera)
Hellula phidilealis (Lepidoptera)
BRASSICA CAMPESTRIS:
Ceutorhynchus pleurostigma (Coleoptera)
Psylliodes chrysocephala (Coleoptera)
BRASSICA CHINENSIS:
Ceratocapsus cubanus (Hemiptera)
Cyrtopeltis tenuis (Hemiptera)
Hellula phidilealis (Lepidoptera)
Liriomyza flaveola (Diptera)
Nysius expressus (Hemiptera)
Orthaea scutellata (Hemiptera)
Ozophora burmeisteri (Hemiptera)
Phyllotreta vittata discedens (Coleoptera)
Stictocephala rotundata (Hemiptera)
Systena basalis (Coleoptera)
BRASSICA OLERACEA:
Psylliodes chrysocephala (Coleoptera)
BRASSICA OLERACEA ACEPHALA:
Hellula phidilealis (Lepidoptera)
Liriomyza flaveola (Diptera)
Systena basalis (Coleoptera)
BRASSICA OLERACEA BOTRYTIS:
Pionea forficalis (Lepidoptera)
BRASSICA OLERACEA CAPITATA:
Barathra brassicae (Lepidoptera)
Eumecosomyia nubila (Diptera)
Hellula undalis (Lepidoptera)
Metriona profligata (Coleoptera)
Nabis punctipennis (Hemiptera)
BRASSICA RAPA:
Catorhintha guttula (Hemiptera)
Ceratocapsus punctulatus (Hemiptera)
Ceutorhynchus pleurostigma (Coleoptera)
Cyrtopeltis varians (Hemiptera)
Dactylosternum abdominale (Coleoptera)
Hellula phidilealis (Lepidoptera)
Hyphantria textor (Lepidoptera)
Nabis alternata (Hemiptera)
Nysius minutus (Hemiptera)
Nysius monticola (Hemiptera)
Phyllotreta pusilla (Coleoptera)
Platynota stultana (Lepidoptera)
Psylliodes chrysocephala (Coleoptera)
BRASSICA SP. (mustard)
Conoderus bivoeatus (Coleoptera)
Cymoninus notabilis (Hemiptera)
Cyrtopeltis tenuis (Hemiptera)
Cyrtopeltis varians (Hemiptera)
Deloyala lecontei (Coleoptera)
Draeculacephala minerva (Hemiptera)
Euphrytus parvicollis (Coleoptera)
Geocoris sonoraensis (Hemiptera)
Haplothrips gowdeyi (Thysanoptera)
Hellula phidilealis (Lepidoptera)
Hellula undalis (Lepidoptera)
Hyphantria textor (Lepidoptera)
Iridomyrmex humilis (Hymenoptera)
Leucopoecila albofasciata (Hemiptera)
Liriomyza flaveola (Coleoptera)
Lygus elisus (Hemiptera)
Lygus hesperius (Hemiptera)
Nabis alternatus (Hemiptera)
Nysius minutus (Hemiptera)
Phlepsius distinctus (Hemiptera)
Phyllotreta pusilla (Coleoptera)
Phyllotreta vittata discedens (Coleoptera)
Pyropus sapphirinus (Coleoptera)
Systena basalis (Coleoptera)
BROMELIAD:
Gymnaspis aechmeae (Homoptera)
CACTACEAE:
Amphicerus cornutus (Coleoptera)
Calymmaderus oblongus (Coleoptera)
Chelinidea canyoni (Hemiptera)
Chelinidea vittiger aequoris (Hemiptera)
CACTACEAE—Continued.
Lepidosaphes philococcus (Homoptera)
Ligyrocoris nitidicollis (Hemiptera)
Pseudodiaspis yuccae (Homoptera)
Puto mexicanus (Homoptera)
Puto yuccae (Homoptera)
Setomorpha insectella (Lepidoptera)
CAESALPINIA CORIARIA:
Acanthoscelides dominicanus (Coleoptera)
CAJANUS:
Acanthoscelides armitagei (Coleoptera)
Callosobruchus chinensis (Coleoptera)
CALAMUS:
Dinoderus bifoveolatus (Coleoptera)
CALLUNA:
Corcyra cephalonica (Lepidoptera)
Micrelus ericae (Coleoptera)
Taeniothrips ericae (Thysanoptera)
CAMELLIA:
Aspidiotus degeneratus (Homoptera)
Ceroplastes ceriferus (Homoptera)
Ceroplastes floridensis (Homoptera)
Ceroplastes rubens (Homoptera)
Lepidosaphes camelliae (Homoptera)
Parlatoria camelliae (Homoptera)
Pseudaonidia duplex (Homoptera)
Pseudaonidia paeoniae (Homoptera)
CANAVALIA:
Cosmolyce boeticus (Lepidoptera)
CAPSICUM:
Dikraneura kunzei (Hemiptera)
Draeculacephala portola (Hemiptera)
Euxesta stigmatias (Diptera)
Faustinus cubae (Coleoptera)
Gnorimoschema gudmannella (Lepidoptera)
Hyphantria textor (Lepidoptera)
Lorita abornana chatka (Lepidoptera)
Mozena lunata (Hemiptera)
Platynota rostrana (Lepidoptera)
Platynota stultana (Lepidoptera)
Pronotacantha annulata (Hemiptera)
CARICA:
Aspidiotus destructor (Homoptera)
Morganella longispina (Homoptera)
Pseudoparlatoria ostreata (Homoptera)
Toxotrypana curvicauda (Diptera)
CASIMIROA:
Anastrepha ludens (Diptera)
CASSIA:
Aganectesis indecora (Lepidoptera)
Phelomerus aberrans (Coleoptera)
Phormesium virgulatum (Coleoptera)
CASTANEA:
Laspeyresia splendana (Lepidoptera)
CATTLEYA—See Orchidaceae
CEDRELA:
Xyleborus propinquus (Coleoptera)
CEDRUS:
Brentus mexicanus (Coleoptera)
Dactylosternum abdominale (Coleoptera)
Hypsipyla grandella (Lepidoptera)
Tetrapriocera longicornis (Coleoptera)
Xyleborus affinis (Coleoptera)
Xyleborus fuscatus (Coleoptera)
Xyleborus propinquus (Coleoptera)
CELOSIA:
Exptochiomera fuscicornis (Hemiptera)
CENTAUREA:
Geocnethus semilevis (Hemiptera)
CEPHALOCEREUS—See Cactaceae
CHENOPODIUM:
Epicauta pardalis (Coleoptera)
Glyptina atriventris (Coleoptera)
Hyalopterus atriplicis (Homoptera)
CHRYSANTHEMUM:
Aeolus dorsalis (Coleoptera)
Amorbia emigratella (Lepidoptera)
Anacentrinus deplanatus (Coleoptera)
Chaetopsis fulvifrons (Diptera)
Corythucha morrilli (Hemiptera)
Cymoninus notabilis (Hemiptera)
Empoasca abrupta (Hemiptera)
Entylia sinuata (Hemiptera)
Exptochiomera minima (Hemiptera)
Frankliniella fortissima (Thysanoptera)
Geocnethus semilevis (Hemiptera)
Haplothrips gowdeyi (Thysanoptera)
Iridomyrmex pruinosus (Hymenoptera)
Ligyrocoris aurivilliana (Hemiptera)
Ligyrocoris setosus (Hemiptera)

Hosts and insects—Continued

CHRYSANTHEMUM—Continued.
Nabis alternatus (Hemiptera)
Ollarianus strictus (Hemiptera)
Phenacoccus gossypii (Homoptera)
Polymerus basalis (Hemiptera)
Systena basalis (Coleoptera)
Teleonemia nigrina (Hemiptera)
Teleonemia scrupulosa (Hemiptera)
Thrips nigropilosus (Thysanoptera)
Zabrotes subfasciatus (Coleoptera)
CHRYSOPHYLLUM:
Asterolecanium pustulans (Homoptera)
Putrinaria psidii (Homoptera)
CICER:
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Caulophilus latinasus (Coleoptera)
CITRUS AURANTIFOLIA:
Aleurocanthus woglumi (Homoptera)
Chrysomphalus personatus (Homoptera)
Gnathotrichus consentaneus (Coleoptera)
Parlatoria cinerea (Homoptera)
Parlatoria ziziphus (Homoptera)
Xyleborus propinquus (Coleoptera)
CITRUS AURANTIUM:
Aleurocanthus woglumi (Homoptera)
Dialeurodes citri (Homoptera)
Pseudaonidia duplex (Homoptera)
CITRUS GRANDIS:
Anastrepha fraterculus (Diptera)
Anastrepha ludens (Diptera)
Anastrepha serpentina (Diptera)
Anastrepha suspensa (Diptera)
Parlatoria ziziphus (Homoptera)
CITRUS LIMETTA:
Anastrepha ludens (Diptera)
CITRUS LIMONIA:
Aleurothrixus howardi (Homoptera)
Chrysomphalus personatus (Homoptera)
CITRUS NOBILIS DELICIOSA:
Ceratitis capitata (Diptera)
Chionaspis yanonensis (Homoptera)
Chrysomphalus bifasciculatus (Homoptera)
Parlatoria ziziphus (Homoptera)
Pseudaonidia duplex (Homoptera)
CITRUS SINENSIS:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Chionaspis yanonensis (Homoptera)
Coccus viridis (Homoptera)
Dialeurodes citri (Homoptera)
Parlatoria cinerea (Homoptera)
Tetraleurodes mori (Homoptera)
CITRUS SP.:
Dialeurodes citrifolii (Homoptera)
Frankliniella cubensis (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Parlatoria cinerea (Homoptera)
Tetraleurodes mori (Homoptera)
COCOS:
Aspidiotus destructor (Homoptera)
Ceroplastes rubens (Homoptera)
Xanthophthalma concinnum (Homoptera)
CODIAEUM:
Lepidosaphes lasianthi (Homoptera)
Parlatoria crotonis (Homoptera)
COFFEA:
Ceratitis capitata (Diptera)
Coccus viridis (Homoptera)
Leucoptera coffeella (Lepidoptera)
Stephanoderes hampei (Coleoptera)
CORDYLINE:
Aonidiella inornata (Homoptera)
CORIANDRUM:
Liriomyza flaveola (Diptera)
Platynota rostrana (Lepidoptera)
Phyllotreta vittata discedens (Coleoptera)
CORYLOPSIS:
Pseudaonidia duplex (Homoptera)
CRATAEGUS:
Rhagoletis pomonella (Diptera)
CRINUM:
Haplothrips gowdeyi (Thysanoptera)
CUCURBITA:
Eumecosomyia nubila (Diptera)
Ligyrocoris abdominalis (Hemiptera)
CYDONIA:
Anastrepha ludens (Diptera)
CYMBIDIUM—See Orchidaceae
CYPRIPEDIUM—See Orchidaceae

DAHLIA:
Centrinaspis picumnus (Coleoptera)
Ollarianus strictus (Hemiptera)
Onychobaris ambigua (Coleoptera)
DAISY:
Frankliniella fortissima (Thysanoptera)
Frankliniella insularis (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
DAUCUS:
Amphicerus cornutus (Coleoptera)
Brochymena sulcata (Hemiptera)
Corythucha morrilli (Hemiptera)
Draeculacephala minerva (Hemiptera)
Empoasca abrupta (Hemiptera)
Haplothrips gowdeyi (Thysanoptera)
Hyphantria textor (Lepidoptera)
Phyllotreta pusilla (Coleoptera)
DELPHINIUM:
Frankliniella fortissima (Thysanoptera)
Opsius stactogalus (Hemiptera)
DENDROBIUM—See Orchidaceae
DERRIS:
Dinoderus bifoveolatus (Coleoptera)
Sinoxylon anale (Coleoptera)
Sinoxylon conigerum (Coleoptera)
DIANTHUS:
Brachyrhinus ovatus (Coleoptera)
Frankliniella fortissima (Thysanoptera)
Haplothrips cottei (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips dianthi (Thysanoptera)
Taeniothrips simplex (Thysanoptera)
DIGITARIA:
Antonina indica (Homoptera)
DIOCLEA:
Cosmolyce boeticus (Lepidoptera)
Maruca testulalis (Lepidoptera)
DIOSCOREA:
Palaeopus costicollis (Coleoptera)
Setomorpha insectella (Lepidoptera)
Targionia hartii (Homoptera)
DIOSPYROS:
Corcyra cephalonica (Lepidoptera)
Phaedon incertum (Coleoptera)
DOMBEYA:
Pinnaspis minor strachani (Homoptera)
ENCEPHALARTOS:
Diaspis zamiae (Homoptera)
EPIDENDRUM—See Orchidaceae
ERIOBOTRYA
Lepidosaphes conchiformis (Homoptera)
EUCHARIS:
Setomorpha insectella (Lepidoptera)
EUGENIA:
Aonidiella eugeniae (Homoptera)
Asterolecanium pustulans (Homoptera)
Chrysomphalus rossi (Homoptera)
Neocitytus cacicus (Coleoptera)
Pseudaonidia clavigera (Homoptera)
EUPHORIA:
Pinnaspis minor strachani (Homoptera)
FICUS:
Amphicerus cornutus (Coleoptera)
Ceratitis capitata (Diptera)
Ceroplastes rusci (Homoptera)
Gynaikothrips uzeli (Thysanoptera)
FRAGARIA:
Conotrachelus leucophaeatus (Coleoptera)
Exptochiomera oblonga (Hemiptera)
Ligyrocoris aurivilliana (Hemiptera)
Ligyrocoris nitidicollis (Hemiptera)
Orthaea scutellata (Hemiptera)
FRAXINUS:
Leperisinus fraxini (Coleoptera)
FUCHSIA:
Brachyrhinus armadillo (Coleoptera)
GARDENIA:
Acroleucus tullus (Hemiptera)
Ceroplastes floridensis (Homoptera)
Coccus viridis (Homoptera)
Draeculacephala portola (Hemiptera)
Euphalerus nitidiz (Hemiptera)
Euryophthalmus bipustulatus (Hemiptera)
Frankliniella cephalica (Thysanoptera)
Frankliniella fortissima (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Metriona erratica (Coleoptera)
Podisus acutissimus (Hemiptera)
Podisus rubromaculatus (Hemiptera)
Protopulvinaria pyriformis (Homoptera)

Hosts and insects—Continued

GARDENIA—Continued.
Pulvinaria psidii (Homoptera)
Tetraleurodes mori (Homoptera)
GERBERIA:
Frankliniella insularis (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
GINKGO:
Homona menciana (Lepidoptera)
GLADIOLUS:
Frankliniella fortissima (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Taeniothrips simplex (Thysanoptera)
GOSSYPIUM:
Corcyra cephalonica (Lepidoptera)
Onthophagus marginatus (Coleoptera)
Pectinophora gossypiella (Lepidoptera)
GUAIACUM:
Laemophloeus iteratus (Coleoptera)
Neoclytus cacicus (Coleoptera)
Platypus pariferus (Coleoptera)
Xyleborus fuscatus (Coleoptera)
GYPSOPHILA:
Ligyrocoris nitidicollis (Hemiptera)
Taeniothrips simplex (Thysanoptera)
HAWORTHIA:
Hercinothrips dimidiatus (Thysanoptera)
HELLEBORUS:
Limothrips denticornis (Thysanoptera)
Phyllotreta atra (Coleoptera)
HIBISCUS:
Asterolecanium pustulans (Homoptera)
Crocidosema plebeiana (Lepidoptera)
Pealius hibisci (Homoptera)
Pectinophora gossypiella (Lepidoptera)
Pseudaonidia clavigera (Homoptera)
Pseudaonidia tesserata (Homoptera)
Tetraleurodes mori (Homoptera)
HYMENAEA:
Rhinochenus stigma (Coleoptera)
INDOCALAMUS:
Antonina crawi (Homoptera)
IPOMOEA:
Cylas formicarius (Coleoptera)
Cylas puncticollis (Coleoptera)
Cylas turcipennis (Coleoptera)
Euscepes postfasciatus (Coleoptera)
Euxesta notata (Diptera)
Palaeopus costicollis (Coleoptera)
IRIS:
Frankliniella fortissima (Thysanoptera)
Pseudococcus boninsis (Homoptera)
IXORA:
Vinsonia stellifera (Homoptera)
JASMINUM:
Frankliniella cubensis (Thysanoptera)
JUGLANS:
Brontes australis (Coleoptera)
Platypus australis (Coleoptera)
JUNIPERUS:
Lepidosaphes pallida (Homoptera)
LACTUCA:
Atheas fuscipes (Hemiptera)
Baldulus elimatus (Hemiptera)
Colecerus marmoratus (Coleoptera)
Coruthucha morrilli (Hemiptera)
Delphacodes koebelei (Hemiptera)
Draeculacephala balli (Hemiptera)
Draeculacephala minerva (Hemiptera)
Draeculacephala portola (Hemiptera)
Empoasca fabae (Hemiptera)
Empoasca phaseola (Hemiptera)
Empoasca solana (Hemiptera)
Epilachna varivestis (Coleoptera)
Eumecosomyia nubila (Diptera)
Feltia subterranea (Lepidoptera)
Leucopoecila albofasciata (Hemiptera)
Ligyrocoris auriullana (Hemiptera)
Ligyrocoris nitidulus (Hemiptera)
Lygaeus lateralis (Hemiptera)
Lygus championi (Hemiptera)
Lygus sallei (Hemiptera)
Macrosteles divisus (Hemiptera)
Naucles pusio (Coleoptera)
Phlepsius distinctus (Hemiptera)
Placosternus crinicornis (Coleoptera)
Rhynchites mexicanus (Coleoptera)
Sixeonotus areolatus (Hemiptera)
Thyanta accerra (Hemiptera)
LARIX:
Echinocnemus bipunctatus (Coleoptera)
LATHYRUS:
Bruchus affinis (Coleoptera)
Bruchus tristiculus (Coleoptera)
Frankliniella fortissima (Thysanoptera)
LAURUS:
Aonidia lauri (Homoptera)
Aspidiotus spinosus (Homoptera)
Homalodisca triquetra (Hemiptera)
Inglisia vitrea (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
Tetraleurodes acaciae (Homoptera)
LENS:
Bruchus lentis (Coleoptera)
LILIUM:
Callidium rufipenne (Coleoptera)
Frankliniella fortissima (Thysanoptera)
Liothrips vaneeckei (Thysanoptera)
Phenacoccus gossypii (Homoptera)
LIMONIUM:
Ptinus huesanus (Coleoptera)
LINGNANIA:
Chaetococcus bambusae (Homoptera)
LINUM:
Aleurodes spiraeoides (Homoptera)
LIPPIA:
Tetraleurodes mori (Homoptera)
LITCHI:
Fiorinia nephelii (Homoptera)
LONCHOCARPUS:
Dinoderus bifoveolatus (Coleoptera)
LYCASTE—See Orchidaceae
LYCOPERSICUM:
Amorbia emigratella (Lepidoptera)
Anfeivs impressicollis (Hemiptera)
Cossonus canaliculatus (Coleoptera)
Exptochiomera minima (Hemiptera)
Forsebia perlaeta (Lepidoptera)
Frankliniella fortissima (Thysanoptera)
Gnathotrichus denticulatus (Coleoptera)
Keiferia lycopersicella (Lepidoptera)
Lineodes integra (Lepidoptera)
Lorita abornana chatka (Lepidoptera)
Lygaeus lateralis (Hemiptera)
Platynota stultana (Lepidoptera)
Xyleborus propinquus (Coleoptera)
Zabrotes subfasciatus (Coleoptera)
LYCORIS:
Taeniothrips gracilis (Thysanoptera)
MAGNOLIA:
Ceroplastes rubens (Homoptera)
Neolecanium cornuparvum (Homoptera)
Pseudaonidia duplex (Homoptera)
Ptinus tectus (Coleoptera)
MALUS:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Epidiaspis piricola (Homoptera)
Grapholithia molesta (Lepidoptera)
Lepidosaphes conchiformis (Homoptera)
Parlatoria oleae (Homoptera)
Rhagoletis pomonella (Diptera)
MALVA:
Apion longirostre (Coleoptera)
MALVAVISCUS:
Euryophthalmus bipustulatus (Hemiptera)
Hypselonotus fulvus (Hemiptera)
MAMMEA:
Anastrepha serpentina (Diptera)
Aspidiotus spinosus (Homoptera)
MANGIFERA:
Anastrepha ludens (Diptera)
Anastrepha mombinpraeoptans (Diptera)
Anastrepha serpentina (Diptera)
Aulacaspis mangiferae (Homoptera)
Ceratitis capitata (Diptera)
Icerya seychellarum (Homoptera)
Leucaspis indica (Homoptera)
Phenacaspis eugeniae (Homoptera)
Sternochetus mangiferae (Coleoptera)
MAXILLARIA—See Orchidaceae.
MEDICAGO:
Artipus floridanus (Coleoptera)
Frankliniella fortissima (Thysanoptera)
Liriomyza flaveola (Diptera)
MENTHA:
Corizus punctatus (Hemiptera)

Hosts and insects—Continued

MORINGA:
Stephanoderes guatemalensis (Coleoptera)
MYRICARIA:
Pseudaonidia clavigera (Homoptera)
MYRTILLOCACTUS—See Cactaceae
MUSA PARADISIACA:
Platynota rostrana (Lepidoptera)
MUSA:
Aspidiotus destructor (Homoptera)
Aspidiotus palmae (Homoptera)
Ceratopus bisignatus (Coleoptera)
Chrysomphalus umboniferus (Homoptera)
Conotrachelus flavangulus (Coleoptera)
Deloyala guttata (Coleoptera)
Metamasius sericeus (Coleoptera)
Strategus simson (Coleoptera)
NARCISSUS:
Enarsia lacteella (Lepidoptera)
NERIUM:
Asterolecanium pustulans (Homoptera)
Frankliniella fortissima (Thysanoptera)
Haplothrips gowaeyi (Thysanoptera)
Morganella longispina (Homoptera)
Teleonemia nigrina (Hemiptera)
ODONTOGLOSSUM—See Orchidaceae
ONCIDIUM—See Orchidaceae
ORBIGNYA:
Pachymerus olearius (Coleoptera)
ORCHIDACEAE:
Acroleucus vicinalis (Hemiptera)
Anaphothrips orchidaceus (Thysanoptera)
Aspidiotus coryphae (Homoptera)
Aspidiotus destructor (Homoptera)
Aspidiotus palmae (Homoptera)
Asterolecanium aureum (Homoptera)
Cacoscelis scriptipennis (Coleoptera)
Calymmus cucullatus (Coleoptera)
Chrysomphalus alienus (Homoptera)
Chrysomphalus biformis (Homoptera)
Chrysomphalus rossi (Homoptera)
Clerada apicicornis (Hemiptera)
Cligenes picturata (Hemiptera)
Conchaspis araeci (Homoptera)
Eucalandra setulosa (Coleoptera)
Eurycipitia vestita (Hemiptera)
Eurytoma orchidearum (Hymenoptera)
Exptochiomera oblonga (Hemiptera)
Fulvius quadristillatus (Hemiptera)
Furcaspis biformis (Homoptera)
Geocnethus nigrocinctus (Hemiptera)
Halisidota inexpectata (Lepidoptera)
Hercinothrips errans (Thysanoptera)
Hercinothrips femoralis (Thysanoptera)
Iridomyrmex iniquus nigella (Hymenoptera)
Iridomyrmex melleus (Hymenoptera)
Iridomyrmex melleus var. (Hymenoptera)
Lecaniodiaspis dendrobii (Homoptera)
Lepidosaphes tuberculata (Homoptera)
Leucaspis cockerelli (Homoptera)
Ligyrocoris nitidicollis (Hemiptera)
Mordellistena cattleyana (Coleoptera)
Mordellistena chapini (Coleoptera)
Mormidea collaris (Hemiptera)
Myochrous denticollis (Coleoptera)
Nasutitermes cornigera (Isoptera)
Orchidophilus aterrimus (Coleoptera)
Ozophora gracilipes (Hemiptera)
Paragonatus divergens (Hemiptera)
Parallelodiplosis cattleyae (Diptera)
Parlatoria pseudaspidiotus (Homoptera)
Pinnaspis townsendi (Homoptera)
Planiodera thymaloides (Coleoptera)
Pseudischnaspis alienus (Homoptera)
Pseudischnaspis boureyi (Homoptera)
Pseudococcus lilacinus (Homoptera)
Pseudococcus nipae (Homoptera)
Pulvinaria floccifera (Homoptera)
Puto mexicanus (Homoptera)
Taeniothrips simplex (Thysanoptera)
Tenthecoris bicolor (Hemiptera)
Vinsonia stellifera (Homoptera)
Xestocoris collinus (Hemiptera)
Xyleborus monigerus (Coleoptera)
ORNITHOGALUM:
Frankliniella schultzei (Thysanoptera)
Taeniothrips fumosa (Thysanoptera)
ORYZA:
Chilo simplex (Lepidoptera)
Corcyra cephalonica (Lepidoptera)
Schoenobius bipunctiferus (Lepidoptera)
Zabrotes subfasciatus (Coleoptera)
PACHYCEREUS—See Cactaceae
PANAX:
Pseudaonidia tesserata (Homoptera)
PELARGONIUM:
Phenacoccus gossypii (Homoptera)
PENTAS:
Frankliniella insularis (Thysanoptera)
PERSEA:
Anastrepha ludens (Diptera)
Aspidiotus destructor (Homoptera)
Aspidiotus howardi (Homoptera)
Aspidiotus spinosus (Homoptera)
Conotrachelus aguacatae (Coleoptera)
Heilipus lauri (Coleoptera)
PETROLSELINUM:
Draeculacephala minerva (Hemiptera)
Geocoris sonoraensis (Hemiptera)
Lygus elisus (Hemiptera)
PHALAENOPSIS—See Orchidaceae
PHASEOLUS ANGULARIS:
Callosobruchus chinensis (Coleoptera)
PHASEOLUS AUREUS:
Callosobruchus analis (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
PHASEOLUS LUNATUS MACROCARPUS:
Zabrotes subfasciatus (Coleoptera)
PHASEOLUS RADIATUS:
Callosobruchus chinensis (Coleoptera)
PHASEOLUS VULGARIS:
Zabrotes subfasciatus (Coleoptera)
PHASEOLUS SP. (string bean):
Callosobruchus analis (Coleoptera)
Dacus cucurbitae (Diptera)
Delphacodes campestris (Hemiptera)
Epilachna varivestis (Coleoptera)
Epinotia opposita (Lepidoptera)
Evitianus obscurinervis (Hemiptera)
Frankliniella fortissima (Thysanoptera)
Keiferia lycopersicella (Lepidoptera)
Ligyrocoris rubricatus (Hemiptera)
Maruca testulalis (Lepidoptera)
Ozophora pallescens (Hemiptera)
Sternechus paludatus (Coleoptera)
Zabrotes subfasciatus (Coleoptera)
PHOENIX:
Coccotrypes dactyliperda (Coleoptera)
PHYLLOSTACHYS:
Aphis bambusae (Homoptera)
Kuwanaspis pseudoleucaspis (Homoptera)
Kuwanaspis vermiformis (Homoptera)
PHYSALIS:
Gnorimoschema lavernella (Lepidoptera)
PHYTELEPHAS:
Coccotrypes dactyliperda (Coleoptera)
PINUS:
Gastrodes pacificus (Hemiptera)
Matsucoccus matsumurae (Homoptera)
Ozycetonia jucunda (Coleoptera)
Paronius longulus (Hemiptera)
PISTACIA:
Eurytoma pistaciae (Hymenoptera)
PISUM:
Conotrachelus seniculus (Coleoptera)
Cosmolyce boeticus (Lepidoptera)
Draeculacephala minerva (Hemiptera)
Prairiana sidana (Hemiptera)
PITHECOLOBIUM:
Acanthoscelides flexicaulis (Coleoptera)
PITTOSPORUM:
Pulvinaria psidii (Homoptera)
PLATANUS:
Chionaspis platani (Homoptera)
PLUMERIA:
Coccus viridis (Homoptera)
PODALYRIA:
Bruchidius versicolor (Coleoptera)
POLIANTHES:
Frankliniella fortissima (Thysanoptera)
Taeniothrips simplex (Thysanoptera)
PORTULACA:
Erynephala puncticollis (Coleoptera)
Eumecosomyia nubila (Diptera)
Exptochiomera arizonensis (Hemiptera)
Ligyrocoris nitidulus (Hemiptera)
Nysius minutus (Hemiptera)
PROSOPIS:
Anoplium truncatum (Coleoptera)
Apatides fortis (Coleoptera)
Colecerus marmoratus (Coleoptera)
Kalotermes marginipennis (Isoptera)

Hosts and insects—Continued

PROSOPIS—Continued.
Laspeyresia membrosa (Lepidoptera)
Neurocterus simplex (Hemiptera)
Rhipibruchus picturatus (Coleoptera)
Romaleum rufulum (Coleoptera)
PRUNUS DOMESTICA:
Anthonomus scutellaris (Coleoptera)
Parlatoria oleae (Homoptera)
PRUNUS SP. (cherry):
Lecanium coryli (Homoptera)
PRUNUS SP.:
Parlatoria oleae (Homoptera)
Parlatoria theae (Homoptera)
PSIDIUM:
Anastrepha mombinpraeoptans (Diptera)
Anastrepha suspensa (Diptera)
PTYCHOSPERMA:
Coccotrypes rolliniae (Coleoptera)
PUERARIA:
Callosobruchus ademptus (Coleoptera)
PUNICA:
Colaspis viridiincta (Coleoptera)
PYROLA:
Aleuroplatus myricae (Homoptera)
PYRUS:
Ceratitis capitata (Diptera)
Epidiaspis piricola (Homoptera)
Lepidosaphes conchiformis (Homoptera)
RAPHANUS:
Draeculacephala minerva (Hemiptera)
Hellula phidilealis (Lepidoptera)
Hellula undalis (Lepidoptera)
Macrosteles divisus (Hemiptera)
Nabis alternatus (Hemiptera)
Phyllotreta pusilla (Coleoptera)
Phyllotreta vittata discedens (Coleoptera)
RHODODENDRON:
Amphorophora rhododendri (Homoptera)
Dialeurodes chittendeni (Homoptera)
Pseudaonidia duplex (Homoptera)
RIBES:
Parlatoria oleae (Homoptera)
ROSA:
Allocoris incognita (Hemiptera)
Eriptochiomera minima (Hemiptera)
Frankliniella cephalica (Thysanoptera)
Frankliniella cubensis (Thysanoptera)
Frankliniella difficilis (Thysanoptera)
Frankliniella fortissima (Thysanoptera)
Frankliniella insularis (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Taeniothrips simplex (Thysanoptera)
Teleonemia scrupulosa (Hemiptera)
ROYSTONEA:
Aspidiotus destructor (Homoptera)
Aspidiotus spinosus (Homoptera)
SACCHARUM:
Chilo loftini (Lepidoptera)
Draeculacephala minerva (Hemiptera)
Pseudococcus boninsis (Homoptera)
Targionia sacchari (Homoptera)
Trionymus sacchari (Homoptera)
SALIX:
Agromyza salicis (Diptera)
Chalcolepidius webbi (Coleoptera)
Gypona delta (Hemiptera)
SAMANEA:
Anypsipyla univitella (Lepidoptera)
SAMBUCUS:
Amphicerus cornutus (Coleoptera)
Micropate scapularis (Coleoptera)
SAPOTE:
Anastrepha serpentina (Diptera)
SCHIZOSTACHYUM:
Formosaspis nigra (Homoptera)
SCHOMBURGKIA—See Orchidaceae
SEMIARUNDINARIA:
Kuwanaspis pseudoleucaspis (Homoptera)
SERJANIA:
Dinoderus bifoveolatus (Coleoptera)
SESBANIA:
Eudiagogus pulcher (Coleoptera)
SINOBAMBUSA:
Antonina crawi (Homoptera)
Kuwanaspis pseudoleucaspis (Homoptera)
Kuwanaspis vermiformis (Homoptera)
SOIL:
Ataenius cribrithorax (Coleoptera)
SOLANUM MELONGENA:
Anthonomus varipes (Coleoptera)
Metamasius sericeus (Coleoptera)
Pachyzancla periusalis (Lepidoptera)
Platynota rostrana (Lepidoptera)
Platynota stultana (Coleoptera)
SOLANUM TUBEROSUM:
Epicaerus cognatus (Coleoptera)
Gnorimoschema plaesiosema (Lepidoptera)
Lygaeus lateralis (Hemiptera)
SPINACIA:
Aphalaroida inermis (Hemiptera)
Creontiades rubrinervis (Hemiptera)
Draeculacephala minerva (Hemiptera)
Empoasca abrupta (Hemiptera)
Empoasca solana (Hemiptera)
Lygus distinctus (Hemiptera)
Nysius monticola (Hemiptera)
Phyllotreta pusilla (Coleoptera)
SPONDIAS:
Anastrepha mombinpraeoptans (Diptera)
Aspidiotus diffinis (Homoptera)
STYRAX:
Pseudaonidia duplex (Homoptera)
SWIETENIA:
Aulonium bidentatum (Coleoptera)
Coccus viridis (Homoptera)
Xyleborus propinquus (Coleoptera)
TABEBUIA:
Acanthoderes circumflexa (Coleoptera)
Aulonium bidentatum (Coleoptera)
Brentus anchorago (Coleoptera)
Brentus mexicanus (Coleoptera)
Cossonus canaliculatus (Coleoptera)
Dactylosternum subdepressum (Coleoptera)
Laemophloeus suturalis (Coleoptera)
Nasutitermes cornigera (Isoptera)
Nemocephalus guatemalensis (Coleoptera)
Parandra polita (Coleoptera)
Platypus exaratus (Coleoptera)
Platypus poriferus (Coleoptera)
Platypus rugulosus (Coleoptera)
Tesserocerus dejeani (Coleoptera)
Xyleborus affinis (Coleoptera)
Xyleborus confusus (Coleoptera)
Xyleborus fuscatus (Coleoptera)
Xyleborus mazer (Coleoptera)
TAGETES:
Haplothrips gowdeyi (Thysanoptera)
Zabrotes subfasciatus (Coleoptera)
TAMARINDUS:
Caryedon fuscus (Coleoptera)
Eucnocerus anthrenoides (Coleoptera)
Nyssodrys haldemani (Coleoptera)
TERMINALIA:
Aspidiotus destructor (Homoptera)
Asterolecanium pustulans (Homoptera)
THEOBROMA:
Xyleborus affinis (Coleoptera)
THUJA:
Cinara tujafilina (Homoptera)
TIGRIDIA:
Anuraphis tulipae (Homoptera)
TRICHOPILIA—See Orchidaceae
TRICOGLOTIS—See Orchidaceae
TRISTANIA:
Phenacaspis eugeniae (Homoptera)
TRITICUM:
Corcyra cephalonica (Lepidoptera)
TSUGA:
Aspidiotus tsugae (Homoptera)
TULIPA:
Anuraphis tulipae (Homoptera)
Rhopalosiphoninus tulipaellus (Homoptera)
ULMUS:
Clytus arietis (Coleoptera)
Pteleobius vittatus (Coleoptera)
Scolytus multistriatus (Coleoptera)
Scolytus scolytus (Coleoptera)
VANDA—See Orchidaceae
VERBENA:
Phenacoccus gossypii (Homoptera)
VICIA:
Apion pomonae (Coleoptera)
Bruchidus incarnatus (Coleoptera)
Bruchus dentipes (Coleoptera)
Bruchus luteicornis (Coleoptera)
Bruchus rufipes (Coleoptera)
Eusphermophagus cardui (Coleoptera)

Hosts and insects—Continued

VIGNA:
Bruchus ramicornis (Coleoptera)
Callosobruchus analis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Zabrotes subfasciatus (Coleoptera)
VIOLA:
Frankliniella fortissima (Thysanoptera)
VITIS:
Aonidiella comperei (Homoptera)
Ceratitis capitata (Diptera)
Corizus pictipes (Hemiptera)
Geocnethus nigrocinctus (Hemiptera)
Listroderes obliquus (Coleoptera)
Pantomorus xanthographus (Coleoptera)
Pseudaonidia tesserata (Homoptera)
VRIESIA:
Chrysomphalus personatus (Homoptera)
WISTERIA:
Chionaspis wisteriae (Homoptera)
Phenacaspis fujicola (Homoptera)
YUCCA:
Ephestia rileyella (Lepidoptera)
ZEA:
Ataenius abditus (Coleoptera)
Baldulus maidis (Hemiptera)
Celama sorghiella (Lepidoptera)
Ceratocapsus fuscosignatus (Hemiptera)
Conotrachelus seniculus (Coleoptera)
ZEA—Continued.
Eumecosomyia nubila (Diptera)
Euphoria leucographa (Coleoptera)
Euxesta annonae (Diptera)
Euxesta sororcula (Diptera)
Euxesta stigmatias (Diptera)
Frankliniella williamsi (Thysanoptera)
Ligyrocoris nitidulus (Hemiptera)
Lophocateres pusillus (Coleoptera)
Lygus elisus (Hemiptera)
Micrapate scapularis (Coleoptera)
Moodna bisinuella (Lepidoptera)
Nysius minutus (Hemiptera)
Oedionychis durangoensis (Coleoptera)
Pagiocerus rimosus (Coleoptera)
Pyrausta nubilalis (Lepidoptera)
Zabrotes subfasciatus (Coleoptera)
ZINGIBER:
Caulophilus latinasus (Coleoptera)
Targionia hartii (Homoptera)
ZINNIA:
Anacentrinus deplanatus (Coleoptera)
Corythucha morrilli (Hemiptera)
Gypona angulata (Hemiptera)
Haplothrips gowdeyi (Thysanoptera)
Nesosteles neglectus (Hemiptera)
Phenacoccus gossypii (Homoptera)
Pronotacantha annulata (Hemiptera)
Zabrotes subfasciatus (Coleoptera)

Hosts unknown

FLOWERS:
Conotrachelus flavangulus (Coleoptera)
Forficula auricularia (Orthoptera)
Glyptina nivalis (Coleoptera)
Lygaeus circumlitus (Hemiptera)
Nysius callifer (Hemiptera)
HERB:
Ptychopoda bonifata (Lepidoptera)
HOOPS:
Gracilia minuta (Coleoptera)
IN AUTOMOBILE:
Callirhinus metallescens (Coleoptera)
IN BAG OF GUAVAS AND GENIPS:
Anastrepha suspensa (Diptera)
IN BOX OF GRAPES:
Listroderes obliquus (Coleoptera)
LEAF:
Chrysomphalus perseae (Homoptera)
Lichtensia lutea (Homoptera)
MOSS PACKING:
Scolopostethus decoratus (Hemiptera)
ON PACKING CASE:
Callidium rufipenne (Coleoptera)
ON SACK OF BRAN:
Lygaeus vittiscutis (Hemiptera)
PALM:
Aspidiotus destructor (Homoptera)
Pinnaspis buxi (Homoptera)
REED:
Amphicerus cornutus (Coleoptera)
ROOT:
Brachyrhinus rugosostriatus (Coleoptera)
SEED:
Bruchus hamatus (Coleoptera)
VEGETABLES:
Ataxia hubbardi (Coleoptera)
WICKER HAMPER:
Nicobium castaneum (Coleoptera)
Nicobium hirtum (Coleoptera)
WILD GRASS:
Odonaspis graminis (Homoptera)
WOOD:
Heterobostrychus aequalis (Coleoptera)
Kalotermes piceatus (Isoptera)
Micrapate dinoderoides (Coleoptera)
Micrapate scapularis (Coleoptera)
Penichroa fasciata (Coleoptera)
Renocis mexicanus (Coleoptera)
Sinoxylon anale (Coleoptera)
Sinoxylon conigerum (Coleoptera)
Xylothrips flaripes (Coleoptera)

Country of origin and insects

AMERICAN VIRGIN ISLANDS:
Anastrepha mombinpraeoptans
Euscepes postfasciatus
Targionia hartii
Trionymus sacchari
ANGOLA:
Stephanoderes hampei
ARGENTINA:
Anastrepha fraterculus
Apion pomonae
Corizus pictipes
Euxesta notata
Geocnethus nigrocinctus
Listroderes obliquus
Pantomorus xanthographus
Parlatoria cinerea
Parlatoria oleae
Pectinophora gossypiella
AUSTRALIA:
Brontes australis
Chrysomphalus rossi
Phenacaspis eugeniae
Pinnaspis townsendi
Platypus australis
Xyleborus monigerus
AZORES:
Ceratitis capitata
Targionia bromeliae
BAHAMAS:
Aleurocanthus woglumi
Artipus floridanus
Aspidiotus destructor
Asterolecanium pustulans
Coccus viridis
Conotrachelus nenuphar
Cylas formicarius
Dialeurodes citri
Frankliniella cubensis
Frankliniella difficilis
Frankliniella insularis
Haplothrips gowdeyi
Morganella longispina
Pectinophora gossypiella
Pseudococcus boninsis
Ptinus huesanus
Pulvinaria psidii
Targionia sacchari
BARBADOS:
Setomorpha insectella
Targionia hartii

Country of origin and insects—Continued

BELGIUM:
Lepidosaphes tuberculata
BERMUDA:
Haplothrips gowdeyi
Phenacoccus gossypii
Pseudococcus boninsis
BRAZIL:
Aonidiella eugeniae
Aspidiotus spinosus
Asterolecanium aureum
Bruchus ramicornis
Callosobruchus maculatus
Ceratitis capitata
Chrysomphalus personatus
Corcyra cephalonica
Eurycipitia vestitus
Eurytoma orchidearum
Euscepes postfasciatus
Frankliniella insularis
Fulvius quadristillatus
Gymnaspis aechmeae
Inglisia vitrea
Maruca testulalis
Mordellistena cattleyana
Morganella longispina
Pachymerus olearius
Parlatoria cinerea
Pectinophora gossypiella
Phelomerus aberrans
Pseudaonidia trilobitiformis
Stephanoderes buscki
Targionia bromeliae
Tenthecoris bicolor
Xyleborus affinis
Zabrotes subfasciatus
BRITISH COLUMBIA:
Forficula auricularia
BRITISH EAST AFRICA:
Stephanoderes hampei
BRITISH HONDURAS:
Vinsonia stellifera
CANADA:
Agromyza salicis
Aleuroplatus myricae
Aleyrodes spiraeoides
Amphorophora rhododendri
Anuraphis tulipae
Brachyrhinus ovatus
Brachyrhinus rugosostriatus
Chermes nusslini
Gastrodes pacificus
Lecanium coryli
Liosomaphis berberidis
Rhopalosiphoninus tulipaellus
Sitona lineata
Taeniothrips atratus
Thrips nigropilosus
CANAL ZONE:
Asterolecanium aureum
Furcaspis biformis
Haplothrips gowdeyi
Neoclytus cacicus
Phelomerus aberrans
Pseudaonidia clavigera
Pseudischnaspis alienus
Trionymus sacchari
Vinsonia stellifera
Xyleborus fuscatus
CANARY ISLANDS:
Ceratitis capitata
CHILE:
Endrosis lacteella
Listroderes obliquus
Nabis punctipennis
Pseudococcus gahani
CHINA:
Antonina crawi
Antonina tobai
Aphis bambusae
Asterolecanium bambusicola
Callosobruchus analis
Callosobruchus chinensis
Caulophilus latinasus
Chaetococcus bambusae
Chilo simplex
Chionaspis elongata
Cylas formicarius
Endrosis lacteella
Fiorinia nephelii
Formosaspis formosanus

CHINA—Continued.
Formosaspis nigra
Kuwanaspis pseudoleucaspis
Kuwanaspis vermiformis
Odonaspis greeni
Odonaspis penicillata
Parlatoria siziphus
Schoenobius bipunctiferus
CHOSEN:
Callosobruchus ademptus
Lepidosaphes pallida
COLOMBIA:
Acanthoscelides dominicanus
Anastrepha serpentina
Asterolecanium aureum
Chrysomphalus perseae
Clerada apicicornis
Eucalandra setulosa
Eurycipitia vestitus
Eurytoma orchidearum
Fulvius quadristillatus
Furcaspis biformis
Geocnethus nigrocinctus
Halisidota inexpectata
Iridomyrmex iniguus nigella
Lepidosaphes lasianthi
Metamasius sericeus
Mordellistena cattleyana
Mordellistena chapini
Myochrous denticollis
Nasutitermes cornigera
Paragonatus divergens
Tenthecoris bicolor
Xylebcrus propinquus
COSTA RICA:
Asterolecanium aureum
Eurytoma orchidearum
Pseudischnaspis alienus
Pseudococcus nipae
Pulvinaria floccifera
CUBA:
Aleurocanthus woglumi
Aleurothrixus howardi
Anastrepha mombinpraeoptans
Anastrepha suspensa
Anthonomus varipes
Aspidiotus destructor
Aspidiotus spinosus
Asterolecanium aureum
Asterolecanium bambusae
Asterolecanium miliaris
Asterolecanium pustulans
Ataenius cribrithorax
Ceralocapsus cubanus
Chrysomphalus biformis
Clerada apicicornis
Coccotrypes rolliniae
Coccus viridis
Conoderus bifoveatus
Cylas formicarius
Cymonius notabilis
Cyrtopeltis tenuis
Dialeurodes citrifolii
Eumecosomyia nubila
Faustinus cubae
Frankliniella cubensis
Frankliniella difficilis
Frankliniella insularis
Gnorimoschema gudmannella
Gynaikothrips uzeli
Haplothrips gowdeyi
Hellula phidilealis
Iridomyrmex humilis
Iridomyrmex pruinosus
Keiferia lycopersicella
Lepidosaphes camelliae
Leucaspis indica
Leucoptera coffeella
Ligyrocoris litigiosus
Liriomyza flaveola
Metamasius sericeus
Onthophagus marginatus
Orthaea scutellata
Ozophora burmeisteri
Ozophora pallescens
Pachyzancla pertusalis
Pectinophora gossypiella
Phyllotreta vittata discedens
Pinnaspis minor strachani
Platynota rostrana

Country of origin and insects—Continued

CUBA—Continued.
Pseudischnaspis alienus
Pseudococcus boninsis
Pulvinaria psidii
Pyropus sapphirinus
Ribua innoxia
Stictocephala rotundata
Systena basalis
Taeniothrips simplex
Targionia bromeliae
Targionia hartii
Targionia sacchari
Trionymus sacchari
Zabrotes subfasciatus

DOMINICA:
Aganectesis indecora

DOMINICAN REPUBLIC:
Anastrepha mombinpraeoptans
Conchaspis angraeci
Cylas formicarius
Frankliniella insularis
Haplothrips gowdeyi
Stephanoderes guatemalensis
Vinsonia stellifera

DUTCH EAST INDIES:
Dinoderus bifoveolatus
Heterobostrychus aequalis
Laemotmetus rhizophagoides
Myocalandra discors

ECUADOR:
Anypsipyla univitella
Coccotrypes dactyliperda
Metamasius sericeus

EGYPT:
Bruchidius incarnatus

ENGLAND:
Anaphothrips orchidaceus
Anuraphis tulipae
Aspidiotus destructor
Barathra brassicae
Bruchus affinis
Ceutorhynchus pleurostigma
Clytus arietis
Dialeurodes chittendeni
Gracilia minuta
Hercinothrips errans
Hercinothrips femoralis
Leperisinus fraxini
Lepidosaphes tuberculata
Limothrips denticornis
Liothrips vaneeckei
Philophylla heraclei
Phyllotreta atra
Pionea forficalis
Psylliodes chrysocephala
Pteleobius vittatus
Ptinus tectus
Pulvinaria floccifera
Rhopalosiphoninus tulipaellus
Scolopostethus decoratus
Scolytus multistriatus
Scolytus scolytus
Spragueia leo

ETHIOPIA:
Stephanoderes hampei

EUROPE:
Haplothrips cottei
Taeniothrips dianthi

FIJI ISLANDS:
Aspidiotus destructor

FRANCE:
Bruchus luteicornis
Bruchus rufipes
Iridomyrmex melleus
Iriodomyrmex melleus var.

FRENCH INDO-CHINA:
Sinoxylon anale
Sinoxylon conigerum

GOLD COAST:
Cylas puncticollis

GREECE:
Aonidia lauri
Bruchus rufipes

GUADELOUPE:
Palaeopus costicollis

GUATEMALA:
Acanthoderes circumflexa
Anaphothrips orchidaceus
Asterolecanium miliaris longum
Aulonium bidentatum
Brentus anchorago
Brentus mexicanus
Calymmus cucullatus
Conchaspis agraeci
Cossonus canaliculatus
Dactylosternum subdepressum
Eurycipitus vestitus
Eurytoma orchidearum
Frankliniella fortissima
Furcaspis biformis
Laemophloeus iteratus
Laemophloeus suturalis
Metamasius sericeus carbonarius
Nasutitermes corniger
Nemocephalus guatemalensis
Neoclytus cacicus
Parandra polita
Platypus exaratus
Platypus piriferus
Platypus rugulosus
Pseudischnaspis alienus
Pseudischnaspis bowreyi
Targionia sacchari
Tenthecoris bicolor
Tesserocerus dejeani
Xestocoris collinus
Xyleborus affinis
Xyleborus confusus
Xyleborus macer
Xyleborus propinquus

HAITI:
Anastrepha mombinpraeoptans
Anastrepha suspensa
Aonidiella comperei
Asterolecanium aureum
Maruca testulalis
Pseudaonidia tesserata

HAWAII:
Aonidiella inornata
Asterolecanium pustulans
Caryedon fuscus
Ceratitis capitata
Ceroplastes rubens
Coccus viridis
Cosmolyce boeticus
Cylas formicarius
Dacus cucurbitae
Euscepes postfasciatus
Furcaspis biformis
Kalotermes piceatus
Maruca testulalis
Parlatoria crotonis
Pealius hibisci
Pectinophora gossypiella
Phenacaspis eugeniae
Pseudaonidia clavigera
Pseudaonidia tesserata
Sternochetus mangiferae

HONDURAS:
Aspidiotus palmae
Aspidiotus spinosus
Aulonium biaentatum
Brentus mexicanus
Coccus viridis
Dactylosternum abdominale
Hypsipyla grandella
Metamasius sericeus
Neoclytus cacicus
Phormesium virgulatum
Tetraprioeera longicornis
Xanthophthalma concinnum
Xyleborus affinis
Xyleborus fusratus
Xyleborus propinquus
Zabrotes subfasciatus

HUNGARY:
Eusppermophagus cardui

INDIA:
Callosobruchus chinensis
Cylas formicarius
Heterobostrychus aequalis
Sinoxylon anale

IRAN:
Apion longirostre
Bruchus dentipes
Bruchus dentipes ochraceosignatus
Bruchus hamatus
Bruchus lentis
Callosobruchus analis
Callosobruchus maculatus

Country of origin and insects—Continued

IRELAND:
Endrosis lacteella
ITALY:
Aonidia lauri
Brachyrhinus armadillo
Epidiaspis piricola
Parlatoria oleae
JAMAICA:
Anastrepha mombinpraeoptans
Cylas formicarius
Cyrtopeltis tenuis
Euscepes postfasciatus
Haplothrips gowdeyi
Leucaspis cockerelli
Palaeopus costicollis
Parlatoria pseudaspidiotus
Strategus simson
Vinsonia stellifera
JAPAN:
Antonina crawii
Aspidiotus degeneratus
Aspidiotus destructor
Aspidiotus tsugae
Callidium rufipenne
Callosobruchus ademptus
Callosobruchus analis
Callosobruchus chinensis
Ceroplastes ceriferus
Ceroplastes floridensis
Ceroplastes rubens
Chilo simplex
Chionaspis wistariae
Chionaspis yanonensis
Chrysomphalus bifasciculatus
Cinora tujafilina
Corcyra cephalonica
Cosmolyce boeticus
Echinocnemus bipunctatus
Gracilaria azaleella
Grapholitha molesta
Hellula undalis
Hercinothrips femoralis
Homona menciana
Laspeyresia splendana
Lepidosaphes camelliae
Lepidosaphes conchiformis
Lepidosaphes tuberculata
Liothrips vaneeckei
Matsucoccus matsumurae
Nemapogon granella
Neolecanium cornuparvum
Nysius expressus
Orchidophilus aterrimus
Ozycestonia jucunda
Parlatoria camelliae
Parlatoria pseudaspidiotus
Parlatoria theae
Phaedon incertum
Phenacaspis fujicola
Pinnaspis buxi
Pseudaonidia duplex
Pseudaonidia paeoniae
Pulvinaria floccifera
Pyrausta nubilalis
Stephanitis pyrioides
Taeniothrips gracilis
Taeniothrips xanthius
JAVA:
Heterobostrychus aequalis
Laemotmetus rhizophagoides
Lyctoxylon japonum
Parlatoria ziziphus
Xylothrips flavipes
MADEIRA ISLANDS:
Anaphothrips orchidii
MALAYA (British):
Sinoxylon anale
MEXICO:
Acanthoscelides flexicaulis
Acanthoscelides sallaei
Acroleucus tullus
Acroleucus vicinalis
Aeolus dorsalis
Allocoris incognita
Alpheias conspirata
Amorbia emigratella
Amphicerus cornutus
Anacentrinus deplanatus
Anastrepha ludens
Anastrepha serpentina

MEXICO—Continued.
Anoplium truncatum
Anthonomus scutellaris
Apatides fortis
Aphalaroida inermis
Aspidiotus destructor
Aspidiotus diffinis
Aspidiotus howardi
Asterolecanium aureum
Ataenius abditus
Ataxia hubbardi
Atheas fuscipes
Aufeius impressicollis
Baldulus elimatus
Baldulus maidis
Brentus mexicanus
Brochymena sulcata
Cacoscolis scriptipennis
Callirhinus metallescens
Callosobruchus maculatus
Calymmaderus oblongus
Catorhintha guttula
Caulophilus latinasus
Caulotops agavis
Celama sorghiella
Centrinaspis picumnus
Ceratocapsus fuscosignatus
Ceratocapsus punctulatus
Ceratopus bisignatus
Ceroplastes floridensis
Chaetopsis fulvifrons
Chalcolepidius webbi
Chelinidea canyoni
Chelinidea vittiger aequoris
Chilo loftini
Chionaspis platani
Chrysomphalus personatus
Coccotrypes dactyloperda
Colaspis viridiincta
Colecerus marmoratus
Conotrachelus aguacatae
Conotrachelus flavangulus
Conotrachelus leucophaeatus
Conotrachelus seniculus
Corizus punctatus
Corythucha morrilli
Cossonus canaliculatus
Cossonus excavatus
Creontiades rubrinervis
Crocidosema plebeiana
Cylas formicarius
Cyrtopeltis varians
Dactylosternum abdominale
Deloyala guttata
Deloyala lecontei
Delphacodes campestris
Delphacodes koebelei
Dialeurodes citri
Dikraneura kunzei
Draeculacephala balli
Draeculacephala minerva
Draeculacephala portola
Drasterius cribratus
Empoasca abrupta
Empoasca fabae
Empoasca phaseola
Empoasca solana
Entylia sinuata
Ephestia rileyella
Epicaerus cognatus
Epicauta pardalis
Epilachna varivestis
Epinotia opposita
Erynephala puncticollis
Eucnocerus anthrenoides
Eudiagogus pulcher
Eumecosomyia nubila
Euphalerus nidifex
Euphoria leucographa
Euphrytus parvicollis
Eurycipitia vestitus
Euryophthalmus bipustulatus
Euxesta annonae
Euxesta sororcula
Euxesta stigmatias
Exitianus obscurinervis
Explochiomera arizonensis
Explochiomera fuscicornis
Exploschiomera minima
Exploschiomera oblonga

Country of origin and insects—Continued

MEXICO—Continued.
Feltia subterranea
Forsebia perlaeta
Frankliniella cephalica
Frankliniella fortissima
Frankliniella williamsi
Geocnethus semilevis
Geocoris sonoraensis
Glyptina atriventris
Glyptina nivalis
Gnathotrichus consentaneus
Gnathotrichus denticulatus
Gnorimoschema gudmannella
Gnorimoschema lavernella
Gypona angulata
Gypona delta
Haplothrips gowdeyi
Heilipus lauri
Helichus productus
Hellula phidilealis
Hellula undalis
Homalotisca triquetra
Hyalopterus atriplicis
Hyphantria textor
Hypselonotus fulvus
Kalotermes marginipennis
Kalotermes minor
Keiferia lycopersicella
Laspeyresia membrosa
Lepidosaphes camelliae
Lepidosaphes philococcus
Leucopoecila albofasciata
Lichtensia lutea
Ligyrocoris abdominalis
Ligyrocoris auriwilliana
Ligyrocoris litigiosus
Ligyrocoris nitidicollis
Ligyrocoris nitidulus
Ligyrocoris rubricatus
Ligyrocoris setosus
Lineodes integra
Liriomyza flaveola
Lophocateres pusillus
Lorita abornana chatka
Lygaeus circumlitus
Lygaeus lateralis
Lygaeus vittiscutis
Lygus championi
Lygus distinctus
Lygus elisus
Lygus hesperius
Lygus sallei
Macrosteles divisus
Metriona erratica
Metriona profligata
Micrapate dinoderoides
Micrapate scapularis
Moodna bisinuella
Mormidea collaris
Mozena lunata
Nabis alternata
Naucles pusio
Nesosteles neglectus
Neuroctenus simplex
Nysius minutus
Nysius monticola
Nyssodrys haldemani
Odonaspis graminis
Oedionychis durangoensis
Ollarianus strictus
Onychobaris ambigua
Opsius stactogalus
Orthaea scutellata
Parallelodiplosis cattleyae
Parlatoria cinerea
Paromius longulus
Pectinophora gossypiella
Phenacoccus gossypii
Phlepsius distinctus
Phyllotreta pusilla
Placosternus crinicornis
Plagiodera thymaloides
Platynota stultana
Podisus acutissimus
Podisus rubromaculatus
Polymerus basalis
Prairiana sidana
Pronotacantha annulata
Protopulvinaria pyriformis
Pseudischnaspis altenus

MEXICO—Continued.
Pseudococcus boninsis
Pseudodiaspis yuccae
Ptychopoda bonifata
Puto mexicanus
Puto yuccae
Renocis mexicanus
Rhagoletis pomonella
Rhynchites mexicanus
Romaleum rufulum
Setomorpha insectella
Sisamnes contractus
Sizenotus areolatus
Sternechus paludatus
Taeniothrips simplex
Teleonemia nigrina
Teleonemia scrupulosa
Tetraleurodes acaciae
Tetraleurodes mori
Thyanta accerra
Toxotrypana curricauda
Trionymus sacchari
Xyleborus confusus
Xyleborus fuscatus
Xyleborus propinquus
Zabrotes subfasciatus
NETHERLANDS:
Anuraphis tulipae
NICARAGUA:
Conotrachelus flavangulus
Laemophloeus suturalis
PALESTINE:
Eurytoma pistaciae
PANAMA:
Aganectesis indecora
Anastrepha mombinpraeoptans
Chrysomphalus umboniferus
Phelomerus aberrans
PERU:
Dinoderus bifoveolatus
Eumecosomyia nubila
Euscepes postfasciatus
Gnorimoschema plaesiosema
Mordellistena chapini
Pagiocerus rimosus
PHILIPPINES:
Antonina indica
Aspidiotus coryphae
Aspidiotus palmae
Callosobruchus chinensis
Callosobruchus maculatus
Chrysomphalus rossi
Cylas formicarius
Cylas turcipennis
Dinoderus bifoveolatus
Hercinothrips femoralis
Leucaspis cockerelli
Orchidophilus aterrimus
Parlatoria pseudaspidiotus
Pinnaspis townsendi
Pseudococcus lilacinus
Sinoxylon anale
Sinoxylon conigerum
Sternochetus mangiferae
PORTUGAL:
Anuraphis apiifolia
Bruchus tristiculus
Ceratitis capitata
Ceroplastes rusci
Epidiaspis piricola
Iridomyrmex humilis
Laspeyresia splendana
Nicobium castaneum
Nicobium hirtum
Pseudococcus boninsis
Psylliodes chrysocephala
Stephanoderes hampei
PUERTO RICO:
Anastrepha mombinpraeoptans
Anastrepha suspensa
Antonina craci
Aspidiotus destructor
Asterolecanium bambusae
Callosobruchus chinensis
Coccus viridis
Corcyra cephalonica
Cylas formicarius
Euscepes postfasciatus
Haplothrips gowdeyi
Maruca testulalis

Country of origin and insects—Continued

PUERTO RICO—Continued.
Pectinophora gossypiella
Pseudischnaspis bowreyi
Pseudoparlatoria ostreata
Targionia sacchari
QUEENSLAND:
Ceratitis capitata
RUMANIA:
Bruchus rufipes
ST. LUCIA:
Targionia hartii
ST. VINCENT:
Pectinophora gossypiella
Targionia hartii
SCOTLAND:
Corcyra cephalonica
Micrelus ericae
Taeniothrips ericae
SPAIN:
Laspeyresia splendana
Penichroa fasciata
STRAITS SETTLEMENTS:
Parlatoria pseudaspidiotus
Pinnaspis townsendi
SUMATRA:
Stephanoderes hampei
SWITZERLAND:
Epidiaspis piricola
TAHITI:
Icerya seychellarum
Trionymus sacchari
THAILAND:
Orchidophilus aterrimus
Parlatoria pseudaspidiotus
TRINIDAD:
Anastrepha fraterculus
Anastrepha serpentina
Asterolecanium aureum
Aulacaspis mangiferae
TRINIDAD—Continued.
Euscepes postfasciatus
Furcaspis biformis
Maruca tetulalis
Rhinochenus stigma
Vinsonia stellifera
UNION OF SOUTH AFRICA:
Bruchidius versicolor
Diaspis zamiae
Frankliniella schultzei
Hercinothrips dimidiatus
Taeniothrips fumosa
URUGUAY:
Rhipibruchus picturatus
VENEZUELA:
Acanthoscelides armitagei
Anaphothrips orchidaceus
Asterolecanium aureum
Callosobruchus maculatus
Chrysomphalus alienus
Cligenes picturata
Coccus viridis
Eurytoma orchidearum
Exptochiomera oblonga
Furcaspis biformis
Iridomyrmex iniquus nigella
Lecaniodiaspis dendrobii
Mordellistena cattleyana
Nysius callifer
Ozophora gracilipes
Protopulvinaria pyriformis
Taeniothrips simplex
Tenthecoris bicolor
VIRGIN ISLANDS:
Euscepes postfasciatus
Maruca testulalis
Setomorpha insectella
WEST INDIES:
Targionia sacchari

List of pests collected and reported from July 1, 1940, to June 30, 1941, inclusive

[All findings marked with an asterisk indicate State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Acrospeira macrosporoidea (Berk.) Wilt.:					
Gladiolus sp.	New Zealand			1	N. J.
Albugo bliti (Biv.) O. Kuntze:					
Amaranthus sp.	Mexico	1			Tex.
Alternaria dianthi Stevens & Hall:					
Dianthus sp. (carnation)	Bermuda	1			N. Y.
Aphelenchoides coffeae (Zimm.) Steiner:					
Cattleya sp. (orchid)	Colombia			1	N. Y.
Aphelenchoides parietinus (Bastian) Steiner:					
Ananas sativus (pineapple)	Cuba			1	N. Y.
Colocasia esculenta (taro)	Azores, Japan	1	1		N. Y., Pa.
Lilium longiflorum eximium	Bermuda			1	N. Y.
Lycopersicum esculentum (tomato)	Mexico	1			Tex.
Zingiber officinale (ginger)	China	1			N. Y.
Aphelenchus avenae Bast.:					
Ficus carica (fig)	Portugal			1	N. Y.
Hyacinthus sp.	England			1	N. Y.
Lilium longiflorum eximium	Bermuda			2	N. Y.
Salvia officinalis (garden sage)	Spain	1			N. Y.
Soil around banana plants	Costa Rica			1	N. Y.
Xanthosoma sp.	Cuba	1			N. Y.
Ascochyta caricae Pat.:					
Carica papaya (papaya)	Brazil	1			N. Y.
Aspergillus ochraceus Wilhelm:					
Gladiolus sp.	Turkey			1	N. J.
Asterina delitescens Ell. & Mart.:					
Persea borbonia (red bay)	Mexico	2			Tex.
Asterina mexicana Ell. & Ev.:					
Agave americana (maguey)	do	1			Tex.
Bacterium citri (Hasse) Doidge:					
Citrus aurantifolia (lime)	Dutch East Indies, India, Java, Philippines.		5		Md., Mass., Pa.
Citrus grandis (grapefruit)	China		1		Calif.*
Citrus sinensis (orange)	China, Japan	4	2		Calif.*, Wash.
Citrus sp.	Japan		1		Calif.*

List of pests collected and reported from July 1, 1940, to June 30, 1941, inclusive—Con.

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Bacterium syringae (Van Hall) E. F. S.:					
Citrus sinensis	Mexico	1			Tex.
Bacterium tabacum Wolf & A. C. Foster:					
Nicotiana tabacum (tobacco)	Canada	1			Mass.
Bacterium tonellianum Ferraris:					
Nerium oleander (oleander)	Mexico	1			Tex.
Botrytis allii Munn:					
Allium cepa (onion)	Chile, Mexico	21	1		Ariz., N. Y., Tex.
Bremia lactucae E. Regel:					
Lactuca sativa (lettuce)	Mexico	1			Tex.
Cephalosporium pammelli purpurascens Buchanan:					
Malus sylvestris (apple)	Japan		1		La.
Ceratostomella fimbriata (E. & H.) Elliott:					
Daucus carota (carrot)	England		1		La.
Ceratostomella ips Rumbold:					
Pinus sp. (pine)	do	8			N. J.
Ceratostomella ulmi (Schwarz) Buis.:					
Ulmus sp. (elm)	do	10			N. Y.
Cercospora angreci Feuill & Roum.:					
Laelia sp. (orchid)	Mexico			1	Tex.
Odontoglossum sp. (orchid)	England			4	N. J.
Cercospora coffeicola Berk. & C.:					
Coffea sp.	Mexico			1	N. J.
Cercospora musae Zimm.:					
Musa sp. (banana)	Costa Rica, Cuba, Guatemala, Haiti, Jamaica, Mexico, Puerto Rico.	38	2		La., Mass., N. Y., Tex.
Cercospora odontoglossi Prill. & Del.:					
Odontioda sp. (orchid)	England			1	Calif.*
Odontoglossum sp. (orchid)	do			2	Calif.*, D. C.
Cercospora rosicola Pass.:					
Rosa sp.	Argentina, Cuba, Puerto Rico.	1		2	N. Y.
Cercosporina rhododendri (Ferr.) Sacc.:					
Rhododendron sp.	Canada			2	Wash.
Cerebella andropogonis Ces.:					
Paspalum dilatatum (dallis grass)	Australia			1	Md.
Paspalum sp.	do			1	N. Y.
Claviceps microcephala (Wallr.) L. Tul.:					
Cynodon plestostachyum	Union of South Africa			1	D. C.
Claviceps paspali (Schw.) Stevens & Hall:					
Paspalum sp.	Canal Zone, Costa Rica			8	N. Y.
Coleosporium solidaginis (Schw.) Thum.:					
Callistephus chinensis (China-aster)	Cuba	1			Fla.*
Colletotrichum graminicolum (Ces.) Wils.:					
Triticum aestivum (wheat)	Argentina	1			La.
Colletotrichum incarnatum Zimm.:					
Theobroma cacao (cacao)	Cuba	1			Fla.*
Colletotrichum orchidearum Allesch:					
Ansellia africana (orchid)	England			1	N. J.
Cattleya sp. (orchid)	Venezuela			1	P. R.
Cymbidium sp. (orchid)	India, Japan			2	Calif.*, D. C.
Dendrobium chrysotoxum (orchid)	Thailand			1	Calif.*
Epidendrum sp. (orchid)	Guadeloupe			1	P. R.
Laelia sp. (orchid)	Mexico			1	Tex.
Lockhartia sp. (orchid)	Guatemala			1	Calif.*
Odontoglossum schlieperianum (orchid).	Costa Rica			1	Calif.*
Orchid	Mexico, Venezuela	1		2	N. Y., P. R., Tex.
Phalaenopsis grandiflora (orchid)	Philippines			1	Calif.*
Phalaenopsis schilleriana (orchid)	do			1	Calif.*
Phalaenopsis sp. (orchid)	England			1	N. J.
Schomburgkia sp. (orchid)	Mexico			1	Tex.
Stanhopea sp. (orchid)	Costa Rica, Mexico			2	N. Y., Tex.
Trichopilia tortilis (orchid)	Mexico			2	Calif.*
Vanda sanderiana (orchid)	Philippines			1	Calif.*
Vanda sp. (orchid)	do			1	N. J.
Vanilla sp. (orchid)	Honduras			1	Calif.*
Colletotrichum orchidearum odontoglossi Verpl. & Cl.:					
Odontoglossum sp. (orchid)	England			1	N. J.
Coniosporium shiraianum (Syd.) Bub.:					
Bambusa sp.	Unknown (via England)		1		Wash.

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Coryneopsis microsticta Grove:					
Rhododendron sp	England			1	Wash.
Coryneum beijerinckii Oud.:					
Amygdalus persica (peach)	Mexico	1			Tex.
Coryneum microstictoides Sacc. & Panz.:					
Paeonia moutan var	France, Japan			2	Calif.*
Cumminsiella sanguinea (Pk.) Arth.:					
Mahonia aquifolium (?)	British Columbia			1	N. J.
Cylindrosporium colchici Sacc. (?):					
Colchicum autumnale (autumn crocus)	Hungary, Yugoslavia			2	N. Y.
Cytospora ambiens Sacc.:					
Salix sp. (willow)	England	1			N. Y.
Dendrodochium lycopersici March.:					
Lycopersicum esculentum (tomato)	Mexico	2			Tex.
Diaporthe phaseolorum (Cke. & Ell.) Sacc.:					
Phaseolus sp. (string bean)	Brazil, Mexico, Virgin Islands.	11	2		Ariz., Mass., Pa., Tex.
Diaporthe phaseolorum (Cke. & Ell.) Sacc. (?):					
Phaseolus lunatus macrocarpus (lima bean).	Bahamas		1		Fla.*
Didymellina iridis (Desm.) Hoehn.:					
Iris sp	Mexico			1	Ariz.
Diplodia henriquesiana Trav. & Spessa.:					
Cattleya sp	Peru			1	N. J.
Orchid	Chile, Colombia		1	1	N. Y.
Diplodia paraphysaria Sacc.:					
Orchid	Guatemala, Venezuela			2	P. R.
Diplodia tubericola (E. & E.) Taub.:					
Ipomoea batatas (sweetpotato)	Argentina, Brazil, Cuba, Hawaii, Mexico, Philippines, Trinidad.		10		Ga., La., Pa., Tex.
Ditylenchus dipsaci (Kuhn) Filipjev:					
Narcissus sp	Japan		1		N. Y.
Elsinoe australis Bitancourt & Jenkins:					
Citrus sinensis (orange)	Argentina, Brazil		3		Mass., N. Y., Tex.
Elsinoe fawcettii Bitancourt & Jenkins:					
Citrus limona (lemon)	Uruguay		1		Tex.
Epicoccum nigrum Link:					
Capsicum annuum (pepper)	Mexico	8			Ariz.
Lycopersicuum esculentum (tomato)	do	1			Tex.
Erinella longispora (Karst.) Sacc.:					
Decayed wood	Brazil	1			N. J.
Erysiphe cichoracearum DC.:					
Cucurbita maxima (squash)	Mexico	3			Tex.
Zinnia sp	do	2			Tex.
Eutypella cocos Ferd. & Winge:					
Cocos nucifera (coconut)	Canal Zone	1			N. Y.
Fusarium heterosporum Nees:					
Paspalum sp	Australia			1	N. Y.
Fusarium moniliforme Sheld.:					
Zea mays (corn)	Union of South Africa	1			Wash.
Fusarium niveum E.F.S.					
Cucumis sativus (cucumber)	Mexico	1			Tex.
Gloeosporium affine Sacc.:					
Dendrobium chrysotoxum (orchid)	Thailand			2	Calif.*
Epidendrum sp. (orchid)	Costa Rica			1	Wash.
Gloeosporium cattleyae Sacc.:					
Cattleya mendelii (orchid)	Colombia			1	P. R.
Cattleya sp. (orchid)	Mexico			1	Tex
Gloeosporium cinctum B. & C.:					
Dendrobium atroviolaceum (orchid)	Australia			1	Calif.*
Dendrobium spectabile	do			1	Calif.*
Odontoglossum sp. (orchid)	Mexico			1	Tex.
Gloeosporium cymbidii Verpl.:					
Cymbidium pauwelsi multicolor (orchid).	Japan			1	Wash.
Cymbidium sp	do			2	Wash.
Gloeosporium laeliae Henn.:					
Laelia purpurata (orchid)	Brazil			1	Calif.*
Gloeosporium lebbec Syd.:					
Albizzia lebbeck	Honduras			1	La.
Gloeosporium orchidearum Karst. & Har.:					
Orchid	Venezuela			1	N. Y.

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		Consumption	Nonentry	Propagation	
Glomerella cingulata (Stonem.) Spauld. & Schrenk:					
Hibiscus esculentus (okra)	Puerto Rico		1		Tex.
Gymnosporangium globosum Farl.:					
Crataegus sp	Mexico	1			Tex.
Helicoma olivaceum (Karsten):					
Paeonia moutan	Japan			1	N. J.
Helminthosporium turcicum Pass.:					
Saccharum officinarum (sugarcane)	Mexico	1			Tex.
Hendersonia camelliae Pass.:					
Camellia japonica (camellia)	do			1	N. J.
Heterosporium ornithogali Klotzsch.:					
Ornithogalum thyrsoides (chinkerichee).	Union of South Africa	1			Ill.
Jonathan spot:					
Malus sylvestris (apple)	Japan		1		Wash.
Kuehneola malvicola (Speg.) Arth.:					
Hibiscus cardiophyllus	Mexico			1	Tex.
Hibiscus syriacus (shrub-althea)	do	1			Tex.
Leptosphaeria eustoma (Fr.) Sacc.:					
Musa sp. (banana)	Cuba		1		N. Y.
Leptothyrium macrothecium Fckl.:					
Paeonia moutan	Japan			1	N. J.
Macrophoma oncidii P. Henn.:					
Cattleya sp. (orchid)	Mexico			1	Tex.
Cypripedium callosum (orchid)	Thailand			1	Calif.*
Cypripedium haynaldianum (orchid)	Philippines			1	Calif.*
Macrosporium cucumerinum E. & E.:					
Cucurbita maxima (squash)	Mexico	1			Tex.
Marsonia juglandis (Lib.) Sacc.:					
Juglans sp. (walnut)	do	1			Tex.
Melampsora medusae Thuem.:					
Populus sp. (cottonwood)	do	1			Tex.
Melanconium betulinum (Pers.) Kleb.:					
Betula sp. (birch)	England	1			N. Y.
Melanconium sacchari Mass.:					
Saccharum officinarum (sugarcane)	Mexico, Philippines	1	1		Pa., Tex.
Meliola citricola Syd.:					
Citrus nobilis deliciosa (tangerine)	China	2			Wash.
Microdiplodia wistariae Grove:					
Wisteria sp	Japan			2	Calif.*
Monilochaetes infuscans Ell. & Hals.:					
Ipomoea batatas (sweetpotato)	Mexico	4			Ariz., Tex.
Mycosphaerella brassicicola (Fr.) Lindau:					
Brassica oleracea capitata (cabbage)	Ireland		1		Tex.
Mycosphaerella citrullina (Smith) Gross.:					
Citrullus vulgaris (watermelon)	Cuba	1			N. Y.
Cucumis anguria (West Indian gherkin).	Haiti	1			N. Y.
Cucumis sativus (cucumber)	Cuba	22	1		N. Y., Tex.
Cucurbita maxima (squash)	Cuba, Japan, Union of South Africa.	1	2		N. Y.
Luffa cylindrica (dish clout)	Cuba	1			N. Y.
Momordica charantia (balsam-pear)	do	3			N. Y.
Momordica sp	do	1			N. Y.
Sechium edule (chayote)	Cuba, Jamaica	10	2		N. Y.
Mycosphaerella pinodes (Berk. & Blox) R. E. Stone:					
Pisum sativum (pea)	Portugal	1			Pa.
Vicia faba (fava bean)	do		1		N. Y.
Oidium euonymi-japonici (Arcang.) Sacc.:					
Euonymus japonica	Mexico	1			Tex.
Euonymus japonica variegata	Japan		1		Wash.
Oospora citri-aurantii C. O. Smith:					
Citrus aurantifolia (lime)	Cuba, Haiti, Mexico, Puerto Rico.	2	5		Pa., Tex.
Citrus grandis (grapefruit)	Argentina, Puerto Rico.		2		Pa.
Citrus sinensis (orange)	Haiti		1		Pa.
Fortunella japonica (kumquat)	Philippines		1		Tex.
Panagrolaimus rigidus (Schneider) Thorne:					
Soil around banana plant	Costa Rica			1	N. Y.
Paraphelenchus pseudoparietinus Mic.:					
Salvia officinalis (sage)	Spain	1			N. Y.
Peronospora effusa (Grev.) Ces.:					
Chenopodium album (lambs-quarters)	Mexico	1			Ariz.
Spinacia oleracea (spinach)	do	101			Ariz., Tex.

List of pests collected and reported from July 1, 1940, to June 30, 1941, inclusive—Con

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Peronospora pisi (DeBy.) Syd.:					
Pisum sativum (pea)	Chile, Portugal		3		N. Y.
Pestalozzia guepini Desm.:					
Ananas sativus (pineapple)	Mexico	1			Tex.
Pestalozzia palmarum Cke.:					
Cocos nucifera (coconut)	Canal Zone	1			N. Y.
Palm	Brazil		1		N. Y.
Pestalozzia rhododendri (D. Sacc.) Guba:					
Azalea indica	Japan			4	Calif.*
Pezizella lythri (Desm.) Shear & Dodge:					
Acer argutum	do			1	Wash.
Acer carpinifolium (hornbeam maple)	do			2	Wash.
Paeonia moutan	France, Japan			3	Calif.*, Wash.
Paeonia sp	Japan			1	N. J.
Thuya sp	Canada (?)			1	Wash.
Trachycarpus excelsa (windmill palm)	Japan			1	Wash.
Phleospora multimaculans Heald. & Wolf.:					
Juglans sp. (walnut)	Mexico	1			Tex.
Phoma bakeriana Sacc.:					
Vigna sinensis (cowpea)	Dutch Guiana		1		La.
Phoma betae (Oud.) Frank:					
Beta vulgaris cicla (Swiss chard)	Cuba	1			N. Y.
Phoma camelliae Pass.:					
Camellia japonica (camellia)	Japan			1	Wash.
Phoma citricarpa McAlp.:					
Citrus grandis (grapefruit)	Union of South Africa		1		N. Y.
Citrus nobilis deliciosa (tangerine)	China	1			Wash.
Citrus sinensis (orange)	Union of South Africa		1		N. Y.
Phomopsis magnoliicola Died.:					
Magnolia sp	Japan			1	Wash.
Phomopsis vexans (Sacc. & Syd.) Harter:					
Solanum melongena (eggplant)	Martinique		1		Tex.
Phyllachora maydis Maubl.:					
Zea mays (corn)	Guatemala	1			N. Y.
Phyllosticta berolinensis Henn.:					
Rhododendron sp	England			1	Wash.
Phyllosticta erythroxyli Graz.:					
Erythrozylon coca (cocaine-tree)	Peru	1			N. Y.
Phyllosticta galactis (Cooke) E. & E.:					
Galax aphylla (galax)	England		1		N. Y.
Phyllosticta gardeniae Cke.:					
Gardenia florida (Cape-jasmine)	Cuba	1			Fla.*
Phyllosticta laeliae Keissler:					
Cattleya sp. (orchid)	Costa Rica			1	Wash.
Physalospora cattleyae Maubl. & Lasn.:					
Orchid	Guatemala			1	P. R.
Physalospora japonica Togashi:					
Camellia japonica var	Japan			1	Calif.*
Physalospora orchidearum P. Henn.:					
Stanhopea sp. (orchid)	Mexico			1	Calif.*
Trichopilia tortilis (orchid)	do			1	Calif.*
Pleosphaerulina briosiana Pollacci:					
Medicago sativa (alfalfa)	Kenya		1		N. Y.
Puccinia allii (DC.) Rud.:					
Allium cepa (onion)	Spain		1		N. Y.
Allium sativum (garlic)	Argentina, Madeira Islands, Spain.		3		N. Y.
Puccinia coronata Cda.:					
Avena sativa (oats)	Bahamas	1			Fla.*
Puccinia menthae Pers.:					
Mentha sp. (mint)	Mexico		1		Tex.
Puccinia ornithogali-thyrsoides Diet.:					
Ornithogalum sp	Union of South Africa	1			Wash.
Puccinia polygoni-amphibii persicariae (Str.) Arth.:					
Polygonum sp	Canada	1			N. Y.
Pucciniopsis caricae Earle:					
Carica papaya (papaya)	Brazil, Cuba, Jamaica	10	8		N. Y.
Pyrenochaeta penicillata Fckl.:					
Medicago sativa (alfalfa)	Kenya		1		N. Y.
Pyrenopeziza medicaginis Fckl.:					
Medicago sativa	Mexico			1	N. J.
Rhabdospora kirghisorum (Thum.) Sacc.:					
Ephedra vulgaris	China	1			N. Y.

List of pests collected and reported from July 1, 1940, to June 30, 1941, inclusive—Con.

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Rotylenchus bradys (Steiner & LeHew.) Filipjev:					
Dioscorea sp. (yam)	Jamaica	1			N. Y.
Schizophyllum commune Fr.:					
Anisoptera thurifera	Philippines	1			Wash.
Hardwood log	Africa	1			N. Y.
Sclerotinia gladioli Drayt.:					
Gladiolus sp	Azores, Japan			5	Calif.*
Sclerotinia kerneri Wettstein:					
Abies balsamea (balsam fir)	Newfoundland	3			N. Y.
Abies sp	Nova Scotia	1			N. Y.
Sclerotinia trifoliorum Erikss.:					
Trifolium sp	Ireland	1			N. Y.
Sclerotium orchidearum P. Henn.:					
Orchid	Costa Rica			1	Calif.*
Septobasidium prunophilum Couch.:					
Prunus sp	Japan		1		Calif.*
Septoria apii Chester:					
Apium graveolens (celery)	Panama		1		Tex.
Septoria fructigena Berk. & Curt.:					
Passiflora sp	Azores		1		Pa.
Septoria hydrangeae Bizz.:					
Hydrangea sp	Mexico	1			Tex.
Septoria musiva Pk.:					
Populus sp. (cottonwood)	do	1			Tex.
Septoria pisi West.:					
Pisum sativum (pea)	Chile, Mexico	1	1		N. Y., Tex.
Sphaceloma fawcettii scabiosa (McAlp. & Tryon) Jenkins:					
Citrus limonia (lemon)	Australia		1		N. Y.
Sphacelotheca sorghicola (Speg.) Zundel:					
Holcus sorghum var. (broomcorn)	Argentina		1		N. Y.
Sphaerotheca humuli (DC.) Burr.:					
Rosa sp	Cuba	1			Fla.*
Spindle tuber:					
Solanum tuberosum (potato)	Peru		1		Fla.*
Stachylidium theobromae Ture.:					
Musa paradisiaca (plantain)	Cuba	6			N. Y.
Thecaphora pustulata Clinton:					
Bidens pilosa(?)	Mexico	1			Ariz.
Trochila ilicis (Chev.) Cronan:					
Ilex aquifolium (English holly)	England	1			N. Y.
Trullula olivascens Sacc.:					
Paeonia moutan var	France			1	Calif.*
Uredo behnickiana P. Henn.:					
Epidendrum sp. (orchid)	Costa Rica			1	N. J.
Oncidium sp. (orchid)	Costa Rica, Trinidad			2	N. J.
Uredo epidendri P. Henn.:					
Epidendrum sp. (orchid)	Costa Rica			1	N. J.
Uredo guacae Mayor:					
Epidendrum sp	Venezeula			1	N. J.
Uredo incomposita Kern:					
Eleocharis interstincta	Haiti	1			N. Y.
Uredo jucunda Syd.:					
Philodendron sp	Costa Rica			1	N. J.
Uredo oncidii P. Henn.:					
Oncidium lanceanum (orchid)	England			1	Calif.*
Oncidium sp	Brazil, England, Guatemala.			3	N. J.
Uromyces lespedezae-procumbentis(Schw.) Curt.:					
Lespedeza formosa altiflora (Japanese bushclover).	Japan			2	Wash.
Ustilago nuda (Jens.) Kell. & Sw.:					
Hordeum vulgare (barley)	Mexico	2			Tex.
Ustilago sphaerogena Burr.:					
Echinochloa crus-galli	Japan	1			Wash.
Valsa massariana DeNot.:					
Sorbus aucuparia	Greenland		1		Pa.
Vermicularia capsici Syd.:					
Capsicum annuum (pepper)	Haiti, Mexico	1		1	N. Y., Tex.
Virus, mosaic:					
Capsicum annuum (pepper)	Mexico	256			Ariz., Tex.
Lycopersicum esculentum (tomato)	do	1			Ariz.
Virus, spotted wilt:					
Lycopersicum esculentum	Cuba, Mexico	31			Ariz., Md.

Hosts and diseases

ABIES:
Sclerotinia kerneri (Ascomycetes)
ACER:
Pezizella lythri (Ascomycetes)
AGAVE:
Asterina mexicana (Ascomycetes)
ALBIZZIA:
Glocosporium lebbec (Deuteromycetes)
ALLIUM CEPA:
Botrytis allii (Deuteromycetes)
Puccinia allii (Promycetes)
ALLIUM SATIVUM:
Puccinia allii (Promycetes)
AMARANTHUS:
Albugo bliti (Phycomycetes)
AMYGDALUS PERSICA:
Coryneum beijerinckii (Deuteromycetes)
ANANAS:
Aphelenchoides parietinus (Nematoda)
Pestalozzia guepini (Deuteromycetes)
ANISOPTERA:
Schizophyllum commune (Basidiomycetes)
ANSELLIA—See Orchidaceae
APIUM:
Septoria apii (Deuteromycetes)
AVENA:
Puccinia coronata (Promycetes)
AZALEA:
Pestalozzia rhododendri (Deuteromycetes)
BAMBUSA:
Coniosporium shiratanum (Deuteromycetes)
BETA:
Phoma betae (Deuteromycetes)
BETULA:
Melanconium betulinum (Deuteromycetes)
BIDENS:
Thecaphora pustulata (Promycetes)
BRASSIA—See Orchidaceae
BRASSICA OLERACEA CAPITATA:
Mycosphaerella brassicicola (Ascomycetes)
CALLISTEPHUS:
Coleosporium solidaginis (Promycetes)
CAMELLIA:
Hendersonia camelliae (Deuteromycetes)
Phoma camelliae (Deuteromycetes)
Physalospora japonica (Ascomycetes)
CAPSICUM:
Epicoccum nigrum (Deuteromycetes)
Vermicularia capsici (Deuteromycetes)
Virus (mosaic)
CARICA:
Ascochyta caricae (Deuteromycetes)
Pucciniopsis caricae (Deuteromycetes)
CATTLEYA—See Orchidaceae
CHENOPODIUM:
Peronospora effusa (Phycomycetes)
CITRULLUS:
Mycosphaerella citrullina (Ascomycetes)
CITRUS AURANTIFOLIA:
Bacterium citri (Schizomycetes)
Oospora citri-aurantii (Deuteromycetes)
CITRUS GRANDIS:
Bacterium citri (Schizomycetes)
Oospora citri-aurantii (Deuteromycetes)
Phoma citricarpa (Deuteromycetes)
CITRUS LIMONIA:
Elsinoe fawcettii (Ascomycetes)
Elsinoe fawcettii scabiosa (Ascomycetes)
CITRUS NOBILIS DELICIOSA:
Meliola citricola (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
CITRUS SINENSIS:
Bacterium citri (Schizomycetes)
Bacterium syringae (Schizomycetes)
Elsinoe australis (Ascomycetes)
Oospora citri-aurantii (Deuteromycetes)
Phoma citricarpa (Deuteromycetes)
CITRUS SP.:
Bacterium citri (Schizomycetes)
COCOS:
Eutypella cocos (Ascomycetes)
Pestalozzia palmarum (Deuteromycetes)
COFFEA:
Cercospora coffeicola (Deuteromycetes)
COLCHICUM:
Cylindrosporium colchici (Deuteromycetes)
COLOCASIA:
Aphelenchoides parietinus (Nematoda)
CRATAEGUS:
Gymnosporangium globosum (Promycetes)
CUCUMIS:
Mycosphaerella citrullina (Ascomycetes)
Fusarium niveum (Deuteromycetes)
Mycosphaerella citrullina (Ascomycetes)
CUCURBITA:
Erysiphe cichoracearum (Ascomycetes)
Macrosporium cucumerinum (Deuteromycetes)
Mycosphaerella citrullina (Ascomycetes)
CYMBIDIUM—See Orchidaceae
CYNODON:
Claviceps microcephala (Ascomycetes)
CYPRIPEDIUM—See Orchidaceae
DAUCUS:
Ceratostomella fimbriata (Ascomycetes)
DENDROBIUM—See Orchidaceae
DIOSCOREA:
Rotylenchus bradys (Nematoda)
DIANTHUS:
Alternaria dianthi (Deuteromycetes)
ECHINOCHLOA:
Ustilago sphaerogena (Promycetes)
ELEOCHARIS:
Uredo incomposita (Promycetes)
EPHEDRA:
Rhabdospora kirghisorum (Ascomycetes)
EPIDENDRUM—See Orchidaceae
ERYTHROXYLON:
Phyllosticta erythroxyli (Basidiomycetes)
EUONYMUS:
Oidium euonymi japonici (Deuteromycetes)
FICUS:
Aphelenchus avenae (Nematoda)
FORTUNELLA:
Oospora citri-aurantii (Deuteromycetes)
GALAX:
Phyllosticta galactis (Deuteromycetes)
GARDENIA:
Phyllosticta gardeniae (Deuteromycetes)
GLADIOLUS:
Acrospeira macrosporoidea (Deuteromycetes)
Aspergillus ochraceus (Deuteromycetes)
Sclerotinia gladioli (Ascomycetes)
HIBISCUS
Glomerella cingulata (Ascomycetes)
Kuehneola malvicola (Promycetes)
HOLCUS:
Sphacelotheca sorghicola (Promycetes)
HORDEUM:
Ustilago nuda (Promycetes)
HYACINTHUS:
Aphelenchus avenae (Nematoda)
HYDRANGEA:
Septoria hydrangeae (Deuteromycetes)
ILEX:
Trochila ilicis (Ascomycetes)
IPOMOEA:
Diplodia tubericola (Deuteromycetes)
Monilochaetes infuscans (Deuteromycetes)
IRIS:
Didymellina iridis (Ascomycetes)
JUGLANS:
Marsonia juglandis (Deuteromycetes)
Phleospora multimaculans (Deuteromycetes)
LACTUCA:
Bremia lactucae (Phycomycetes)
LAELIA—See Orchidaceae
LESPEDEZA:
Uromyces lespedezae-procumbentis (Promycetes)
LOG:
Schizophyllum commune (Basidiomycetes)
LILIUM:
Aphelenchoides parietinus (Nematoda)
Aphelenchus avenae (Nematoda)
LOCKHARTIA—See Orchidaceae
LUFFA:
Mycosphaerella citrullina (Ascomycetes)
LYCOPERSICUM:
Aphelenchoides parietinus (Nematoda)
Dendrodochium lycopersici (Deuteromycetes)
Epicoccum nigrum (Deuteromycetes)
Virus (mosaic)
Virus (spotted wilt)
MAGNOLIA:
Phomopsis magnoliicola (Deuteromycetes)
MAHONIA:
Cumminsiella sanguinea (Promycetes)

Hosts and diseases—Continued

MALUS:
Cephalosporium pammellii purpurascens (Deuteromycetes)
Jonathan spot
MEDICAGO:
Pleosphaerulina briosiana (Ascomycetes)
Pyrenochaeta penicillata (Deuteromycetes)
Pyrenopeziza medicaginis (Ascomycetes)
MENTHA:
Puccinia menthae (Promycetes)
MOMORDICA:
Mycosphaerella citrullina (Ascomycetes)
MUSA PARADISIACA:
Stachylidium theobromae (Deuteromycetes)
MUSA SP.:
Cercospora musae (Deuteromycetes)
Leptosphaeria eustoma (Ascomycetes)
NARCISSUS:
Ditylenchus dipsaci (Nematoda)
NERIUM:
Bacterium tonellianum (Schizomycetes)
NICOTIANA:
Bacterium tabacum (Schizomycetes)
ODONTIODA—See Orchidaceae
ODONTOGLOSSUM—See Orchidaceae
ONCIDIUM—See Orchidaceae
ORCHIDACEAE:
Aphelenchoides coffeae (Nematoda)
Cercospora angreci (Deuteromycetes)
Cercospora odontoglossi (Deuteromycetes)
Colletotrichum orchidearum (Deuteromycetes)
Diplodia henriquesiana (Deuteromycetes)
Diplodia paraphysaria (Deuteromycetes)
Gloeosporium affine (Deuteromycetes)
Gloeosporium cattleyae (Deuteromycetes)
Gloeosporium cinctum (Deuteromycetes)
Gloeosporium cymbidii (Deuteromycetes)
Gloeosporium laeliae (Deuteromycetes)
Gloeosporium orchidearum (Deuteromycetes)
Macrophoma oncidii (Deuteromycetes)
Phyllosticta laeliae (Deuteromycetes)
Physalospora cattleyae (Ascomycetes)
Physalospora orchidearum (Ascomycetes)
Sclerotium orchidearum (Deuteromycetes)
Uredo behnickiana (Promycetes)
Uredo epidendri (Promycetes)
Uredo guaeae (Promycetes)
Uredo oncidii (Promycetes)
ORNITHOGALUM:
Heterosporium ornithogali (Deuteromycetes)
Puccinia ornithogali-thyrsoides (Promycetes)
PAEONIA:
Coryneum microstictoides (Deuteromycetes)
Helicoma olivaceum (Deuteromycetes)
Leptothyrium macrothecium (Deuteromycetes)
Pezizella lythri (Ascomycetes)
Trullula olivascens (Deuteromycetes)
PALM:
Pestalozzia palmarum (Deuteromycetes)
PASPALUM:
Cerebella andropogonis (Deuteromycetes)
Claviceps paspali (Ascomycetes)
Fusarium heterosporum (Deuteromycetes)
PASSIFLORA:
Septoria fructigena (Deuteromycetes)
PERSEA:
Asterina delitescens (Ascomycetes)
PHASEOLUS LUNATUS MACROCARPUS:
Diaporthe phaseolorum (Ascomycetes)
PHASEOLUS SP. (string bean):
Diaporthe phaseolorum (Ascomycetes)
PHALAENOPSIS—See Orchidaceae
PHILODENDRON:
Uredo jucunda (Promycetes)
PINUS:
Ceratostomella ips (Ascomycetes)
PISUM:
Mycosphaerella pinodes (Ascomycetes)
Peronospora pisi (Phycomycetes)
Septoria pisi (Deuteromycetes)
POLYGONUM:
Puccinia polygoni-amphibii persicariae (Promycetes)
POPULUS:
Melampsora medusae (Promycetes)
Septoria musiva (Deuteromycetes)
PRUNUS:
Septobasidium prunophilum (Basidiomycetes)
RHODODENDRON:
Cercosporina rhododendri (Deuteromycetes)
Coryneopsis microsticta (Deuteromycetes)
Phyllosticta berolinensis (Deuteromycetes)
ROSA:
Cercospora rosicola (Deuteromycetes)
Sphaerotheca humuli (Ascomycetes)
SACCHARUM:
Helminthosporium turcicum (Deuteromycetes)
Melanconium sacchari (Deuteromycetes)
SALIX:
Cytospora ambiens (Deuteromycetes)
SALVIA:
Aphelenchus avenae (Nematoda)
Paraphelenchus pseudoparietinus (Nematoda)
SCHOMBURGKIA—See Orchidaceae
SECHIUM:
Mycosphaerella citrullina (Ascomycetes)
SOIL:
Aphelenchus avenae (Nematoda)
Panagrolaimus rigidus (Nematoda)
SOLANUM MELONGENA:
Phomopsis vexans (Deuteromycetes)
SOLANUM TUBEROSUM:
Spindle tuber
SORBUS:
Valsa massarina (Ascomycetes)
SPINACIA:
Peronospora effusa (Phycomycetes)
STANHOPEA—See Orchidaceae
THEOBROMA:
Colletotrichum incarnatum (Deuteromycetes)
THUYA:
Pezizella lythri (Ascomycetes)
TRACHYCARPUS:
Pezizella lythri (Ascomycetes)
TRICHOPILIA—See Orchidaceae
TRIFOLIUM SP.:
Sclerotinia trifoliorum (Ascomycetes)
TRITICUM:
Colletotrichum graminicolum (Deuteromycet
THEOBROMA:
Colletotrichum incarnatum (Deuteromycetes)
ULMUS:
Ceratostomella ulmi (Ascomycetes)
VANILLA—See Orchidaceae
VICIA:
Mycosphaerella pinodes (Ascomycetes)
VIGNA:
Phoma bakeriana (Deuteromycetes)
WISTERIA:
Microdiplodia wisteriae (Deuteromycetes)
WOOD:
Erinella longispora (Ascomycetes)
XANTHOSOMA:
Aphelenchus avenae (Nematoda)
ZEA:
Fusarium moniliforme (Deuteromycetes)
Phyllachora maydis (Ascomycetes)
ZINGIBER:
Aphelenchoides parietinus (Nematoda)
ZINNIA:
Erysiphe cichoracearum (Ascomycetes)

Country of origin and diseases

AFRICA:
Schizophyllum commune
ARGENTINA:
Cercospora rosicola
Colletotrichum graminicolum
Diplodia tubericola
Elsinoe australis
Oospora citri-aurantii
Puccinia allii
*Sphaceloth*eca sorghicola
AUSTRALIA:
Cerebella andropogonis
Fusarium heterosporum
Gloeosporium cinctum
Sphaceloma fawcettii scabiosa
AZORES:
Aphelenchoides parietinus
Sclerotinia gladioli
Septoria fructigena

Country of origin and diseases—Continued

BAHAMAS:
Diaporthe phaseolorum
Puccinia coronata
BERMUDA:
Alternaria dianthi
Aphelenchoides parietinus
Aphelenchus avenae
BRAZIL:
Ascochyta caricae
Diaporthe phaseolorum
Diplodia tubericola
Elsinoe australis
Erinella longispora
Gloeosporium laeliae
Pestalozzia palmarum
Pucciniopsis caricae
Uredo oncidii
BRITISH COLUMBIA:
Cumminsiella sanguinea
CANADA:
Bacterium tabacum
Cercosporina rhododendri
Pezizella lythri
Puccinia polygoni-amphibii persicariae
CANAL ZONE
Claviceps paspali
Eutypella cocos
Pestalozzia palmarum
CHILE:
Botrytis allii
Diplodia henriquesiana
Peronospora pisi
Septoria pisi
CHINA:
Aphelenchoides parietinus
Bacterium citri
Meliola citricola
Phoma citricarpa
Rhabdospora kirghisorum
COLOMBIA:
Aphelenchoides coffeae
Diplodia henriquesiana
Gloeosporium cattleyae
COSTA RICA:
Aphelenchus avenae
Cercospora musae
Claviceps paspali
Colletotrichum orchidearum
Gloeosporium affine
Panagrolaimus rigidus
Phyllosticta laeliae
Sclerotium orchidearum
Uredo behnickiana
Uredo epidendri
Uredo jucunda
CUBA:
Aphelenchoides parietinus
Aphelenchus avenae
Cercospora rosicola
Coleosporium solidaginis
Colletotrichum incarnatum
Diplodia tubericola
Mycosphaerella citrullina
Oospora citri-aurantii
Phoma betae
Phyllosticta gardeniae
Pucciniopsis caricae
Sphaerotheca humuli
Stachylidium theobromae
Virus (spotted wilt)
DUTCH EAST INDIES:
Bacterium citri
DUTCH GUIANA:
Phoma bakeriana
ENGLAND:
Aphelenchus avenae
Ceratostomella fimbriata
Ceratostomella ips
Ceratostomella ulmi
Cercospora angreci
Cercospora odontoglossi
Colletotrichum orchidearum
Coryneopsis microsticta
Cytospora ambiens
Melanconium betulinum
Phyllosticta berolinensis
Phyllosticta galactis
Trochila ilicis
Uredo oncidii
FRANCE:
Coryneum microstictoides
Pezizella lythri
Trullula olivascens
GREENLAND:
Valsa massariana
GUADELOUPE:
Colletotrichum orchidearum
GUATEMALA:
Cercospora musae
Colletotrichum orchidearum
Diplodia paraphysaria
Phyllachora maydis
Physalospora cattleyae
Uredo oncidii
HAITI:
Cercospora musae
Mycosphaerella citrullina
Oospora citri-aurantii
Uredo incomposita
Vermicularia capsici
HAWAII:
Diplodia tubericola
HONDURAS:
Colletotrichum orchidearum
Gloeosporium lebbec
HUNGARY:
Cylindrosporium colchici
INDIA:
Bacterium citri
Colletotrichum orchidearum
IRELAND:
Mycosphaerella brassicicola
Sclerotinia trifoliorum
JAMAICA:
Cercospora musae
Mycosphaerella citrullina
Pucciniopsis caricae
Rotylenchus bradys
JAPAN:
Aphelenchoides parietinu
Bacterium citri
Cephalosporium pammellii purpurascens
Colletotrichum orchidearum
Coryneum microstictoides
Ditylenchus dipsaci
Gloeosporium cymbidii
Helicoma olivaceum
Jonathan spot
Leptothyrium macrothecium
Microdiplodia wistariae
Mycosphaerella citrullina
Oidium euonymi japonici
Pestalozzia rhododendri
Pezizella lythri
Phoma camelliae
Phomopsis magnoliicola
Physalospora japonica
Sclerotinia gladioli
Septobasidium prunophilum
Uromyces lespedezae-procumbentis
Ustilago sphaerogena
JAVA:
Bacterium citri
KENYA:
Pleosphaerulina briosiana
Pyrenochaeta penicillata
MADEIRA ISLANDS:
Puccinia allii
MARTINIQUE:
Phomopsis vexans
MEXICO:
Albugo bliti
Aphelenchoides parietinus
Asterina delitescens
Asterina mexicana
Bacterium syringae
Bacterium tonellianum
Botrytis aliti
Bremia lactucae
Cercospora angreci
Cerospora coffeicola
Cercospora musae
Colletotrichum orchidearum
Coryneum beijerinckii
Dendrodochium lycopersici
Diaporthe phaseolorum
Didymellina iridis
Diplodia tubericola
Epicoccum nigrum

Country of origin and diseases—Continued

MEXICO—Continued.
Erysiphe cichoracearum
Fusarium niveum
Gloeosporium cattleyae
Gloeosporium cinctum
Gymnosporangium globosum
Helminthosporium turcicum
Hendersonia camelliae
Kuehneola malviccla
Leptosphaeria eustoma
Macrophoma oncidii
Macrosporium cucumerinum
Marsonia juglandis
Melampsora medusae
Melanconium sacchari
Monilochaetes infuscans
Oidium euonymi-japonici
Oospora citri-aurantii
Peronospora effusa
Pestalozzia guepini
Phleospora multimaculans
Physalospora orchidearum
Puccinia menthae
Pyrenopeziza medicaginis
Septoria hydrangeae
Septoria musiva
Septoria pisi
Thecaphora pustulata
Ustilago nuda
Vermicularia capsici
Virus (mosaic)
Virus (spotted wilt)
NEWFOUNDLAND:
Sclerotinia kerneri
NEW ZEALAND:
Acrospeira macrosporoidea
NOVA SCOTIA:
Sclerotinia kerneri
PANAMA:
Septoria apii
PERU:
Diplodia henriquesiana
Phyllosticta erythrozyli
Spindle tuber
PHILIPPINES:
Bacterium citri
Colletotrichum orchidearum
PHILIPPINES—Continued.
Diplodia tubericola
Macrophoma oncidii
Melanconium sacchari
Oospora citri-aurantii
Schizophyllum commune
PORTUGAL:
Aphelenchus avenae
Mycosphaerella pinodes
Peronospora pisi
PUERTO RICO:
Cercospora rosicola
Glomerella cingulata
Oospora citri-aurantii
SPAIN:
Aphelenchus avenae
Paraphelenchus pseudoparietinus
Puccinia allii
THAILAND:
Colletotrichum orchidearum
Gloeosporium affine
Macrophoma oncidii
TRINIDAD:
Diplodia tubericola
Uredo behnickiana
TURKEY:
Aspergillus ochraceus
UNION OF SOUTH AFRICA:
Claviceps microcephala
Fusarium moniliforme
Heterosporium ornithogali
Mycosphaerella citrullina
Phoma citricarpa
Puccinia ornithogali-thyrsoides
UNKNOWN (via England):
Coniosporium shiraianum
URUGUAY:
Elsinoe fawcettii
VENEZUELA:
Colletotrichum orchidearum
Diplodia paraphysaria
Gloeosporium orchidearum
Uredo guacae
VIRGIN ISLANDS:
Diaporthe phaseolorum
YUGOSLAVIA:
Cylindrosporium colchici

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